# SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1150.1

# SECOND QUARTER 2004 MONITORING REPORT BRADLEY LANDFILL AND RECYCLING CENTER SUN VALLEY, CALIFORNIA

Prepared for

Waste Management of California, Inc.

Bradley Landfill and Recycling Center

August 13, 2004

Prepared by

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Shaw Project No.: 108341 (03000000)

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#### **Abbreviations**

| FID     | Flame Ionization Detector                   |
|---------|---|
| GEM-500 | CES-LANDTEC Gas Extraction Monitor          |
| LFG     | Landfill Gas                                |
| OVA     | Organic Vapor Analyzer                      |
| PPB     | Parts per Billion                           |
| PPM     | Parts per Million                           |
| SCAQMD  | South Coast Air Quality Management District |
| TGNMO   | Total Gaseous Non-methane Organic Compounds |
| TOC     | Total Organic Compounds                     |

California Air Resources Board

#### 1 EXECUTIVE SUMMARY

This second quarter report for the year 2004 summarizes the monitoring and sampling results at the Bradley Landfill and Recycling Center (BLRC) for compliance with South Coast Air Quality Management District (SCAQMD) Rule 1150.1 f(2)(B) and pursuant to the conditions set forth in the Alternative Rule 1150.1 Compliance Plan (SCAQMD Application No. 394147) approved by SCAQMD on June 19, 2002. The Compliance Plan is found in Appendix A

#### 1.1 Site Description and Background

The Bradley Landfill and Recycling Center (BLRC) is located in the Sun Valley District of Los Angeles, California, in the northwest portion of the Los Angeles metropolitan area. The landfill is owned and operated by Waste Management Recycling and Disposal Services of California, Inc. (WMRDSC) formerly Valley Reclamation Company and previously utilized as a sand and gravel pit by Conrock Company. Waste Management of Los Angeles Hauling Company also operates on the BLRC property. The landfill is a Class III waste disposal facility occupying approximately 209 acres. containing the current landfill boundary and locations of landfill gas (LFG) extraction wells is presented as Figure 1.

An active LFG migration/emissions control system has been in operation at the site since 1982. During normal operation, the higher Btu value LFG is processed through the gas treatment plant and delivered to one (1) on-site and one (1) offsite LFG to energy Stewart and Stevenson (S&S) currently operates the on-site facility under contract by Waste Management, Inc. The off-site facility is owned and operated by Covanta Power Pacific, formerly known as Ogden Power Pacific. The on-site facility operated by S&S was placed into service on March 3, 2003. The lower Btu value gas (under 500 Btu/cf) collected from the Bradley east and the Bradley west perimeter is disposed of through the BLRC flare stations. When the higher Btu value LFG is not in demand by either of the LFG to energy facilities, the gas is routed to one of the on-site flare stations where it is combusted in accordance with SCAQMD rules and permit conditions.

# 1.2 Gas Collection and Disposal System

The BLRC gas collection and disposal system consists of the LFG Compressor Plant, the gas condensate collection system, three (3) LFG flaring systems, a LFG collection system and four (2) LFG to energy systems. The LFG collection series of header collection pipes, laterals, vertical extraction wells and horizontal collectors. Presently the system has 121 vertical dual completion wells, 109 single completion vertical wells and 13 horizontal collectors for a total of 364 wells.

Condensate currently drains by gravity to 18 collection sumps where it is conveyed pneumatically to the LFG treatment plant for processing. When the condensate destruction system is not in use, condensate is passed through the phase separator where the aqueous phase is removed and the hydrocarbon phase is stored. The aqueous phase is pH-adjusted before being discharged to the City of Los Angeles sanitary sewer system. As the hydrocarbon phase is accumulated, it is transferred to the larger hydrocarbon storage tank where it accumulates until transported off-site in accordance with all applicable regulations.

# 1.3 Monitoring and Sampling Activities Summary

Field activities performed by EMCON/OWT Solid Waste Services (EMCON/OWT) in this quarter included:

- Monthly subsurface perimeter probe monitoring (as required by the Local **Enforcement Agency**)
- Quarterly integrated surface emission monitoring and sampling for laboratory analysis
- Quarterly instantaneous surface emission monitoring
- Quarterly flare inlet landfill gas sampling for laboratory analysis
- Annual ambient air monitoring (24-hour)
- SCAQMD Rule 431.1 Sulfur Monitoring

AtmAA, Inc. performed the laboratory analysis for two integrated surface emission samples, flare inlet landfill gas samples, ambient air sample(s), and monthly perimeter probe sample from the probe with the highest field-obtained TOC concentration. The integrated surface samples were analyzed for toxic air contaminants (Toxic Air Contaminants--Core Group; Guidelines for Implementation of Rule 1150.1, Table 1), methane, and total gaseous non-methane organic compounds (TGNMOs) as stipulated by

SCAQMD's Rule 1150.1. The flare inlet landfill gas samples were analyzed for the concentration of fixed gases, hydrogen sulfide, and toxic air contaminants. The ambient air samples were analyzed for toxic air contaminants, methane, and total gaseous non-methane organic compounds (TGNMOs). The Environmental Protection Agency's (EPA) Method TO-15 was used for analyzing toxic air contaminants by gas chromatograph/mass spectrometry. The modified EPA Method 3C was used for analyzing fixed gases by gas chromatograph/thermal conductivity detector and methane. Total gaseous non-methane organics (TGNMOs) were analyzed using modified EPA Method 25C with gas chromatograph/flame ionization detection/total combustion analysis. A gas chromatograph/sulfur chemiluminescence detector was used for analyzing hydrogen sulfide per SCAQMD Rule 431.1, Application No. 267044 and analyzed using SCAQMD Method 307-91.

# 1.3.1 Subsurface Perimeter Probe Monitoring §1150.1(e)1

Subsurface perimeter probe monitoring was performed using a Landtec GEM-500 LFG monitor throughout the month of April 2004. A GEM-2000 LFG monitor was used in May and June 2004. Perimeter probes were monitored for percent methane by volume in air.

Alternative monitoring procedures are used in the area of perimeter probe E-8D including monitoring of the probe and performing surface emission monitoring of Grid 31-D, as specified in the Rule 1150.1 Compliance Plan for Bradley Landfill. These alternative monitoring procedures are implemented when TOC concentrations meet or exceed five (5) percent by volume, measured as methane. Results did not exceed 5% methane in perimeter probes except for Probe E-8D. Field and laboratory data from subsurface perimeter probe monitoring and laboratory TOC concentrations as methane are discussed in Section 2.2 and presented in Appendix B. Samples from the probe with the highest field-obtained TOC concentrations are sent to AtmAA Inc. for laboratory analysis.

# 1.3.2 Integrated Surface Emission Monitoring §1150.1 (e)2

The TOC concentration collected from each grid is listed in Table 3-1, Integrated Surface Sampling Field Summary. Field data sheets are presented in Appendix C. All of the integrated TOC readings were within compliance limits, as set forth by SCAQMD Rule 1150.1. Typically, the two samples having the highest field TOC concentrations are sent to the laboratory for further analysis. The TOC background reading was 5.0 ppm. During surface emissions monitoring, TOC concentrations above background were no more than 2 ppm. In some grids, observed readings were 1 to 2 ppm below background. Samples from grids 86 and 88 were randomly selected for laboratory analysis.

RES Environmental obtained samples from grids 86 and 88 and submitted them for laboratory analysis for methane, Total Gaseous Non-Methane Organic Compounds (TGNMOs) and toxic air contaminants. Laboratory analysis of the samples collected from Grid Nos. 86 and 88 detected low-level concentrations (less than 5 parts per billion [ppb]) of toluene. The laboratory reports are presented in Appendix C.

#### 1.3.3 Instantaneous Surface Emission Monitoring §1150.1 (e)3

Instantaneous surface emission monitoring, conducted on April 22, 27, and 29, May 26, June 3 and 11, and June 17 and 25, 2004, consisted of monitoring the landfill surface for the presence of landfill gas (LFG) emissions. Total organic compound (TOC) measurements (measured as methane in parts per million [ppm]) were recorded in accordance with procedures described in the SCAQMD Guidelines for Implementation of Rule 1150.1. Areas of the landfill where TOC concentrations were greater than 500 ppm TOC as methane were re-monitored within 10 calendar days of the original detection. Instantaneous surface emission monitoring field data are presented in Appendix D.

In April 2004, instantaneous monitoring of Grids 105, 115, and 37 detected concentrations of 2,000, 3,000, and 500 ppm TOC as methane, respectively. These areas were repaired on April 22, 2004 and re-monitored on April 27 and April 29, 2004. Remonitored concentrations were 5 ppm TOC as Methane for each of the three grids.

May 2004 instantaneous monitoring of Grids 112, 23, 24, and 37 detected concentrations of 100,00, 10,000, 10,000, and 1,000 ppm TOC as methane, respectively. These areas were repaired on May 26, 2004 and re-monitored on June 3, 2004. Re-monitored concentrations were 2,000, 200, 200, and 1,500 ppm TOC as methane respectively. Further repairs were necessary on Grids 112 and 37. Repairs were made on June 3, 2004 and the grids were re-monitored on June 11, 2004. Re-monitored concentrations for Grids 112 and 37 were 350 and 200 ppm TOC as methane, respectively.

Nine (9) grids exceeded 500 ppm TOC during the June 2004 instantaneous monitoring event. The detected concentrations ranged from 500 to 100,000 ppm TOC as methane. These grids were repaired on June 7, 2004 and re-monitored on June 25, 2004. The remonitored concentrations ranged from 5 to 300 ppm TOC. Additional discussion pertaining to grids is discussed in Section 4.2.

## 1.3.4 Landfill Gas Chemical Analysis §1150.1 (e)4

Landfill gas samples were collected from the gas compressor inlet location and from each of the three landfill gas flaring systems on May 27, 2004 and were analyzed for fixed gases, TGNMOs, toxic air contaminants, and hydrogen sulfide. Detected concentrations were normal. Results are discussed in Section 5.2 and provided in Appendix E.

#### 1.3.5 Ambient Air Monitoring (24-hour) §1150.1 (e)5

Four ambient air samplers were used to collect upwind (south) and downwind (north) samples on April 30, 2004. Two ambient air samplers were positioned upwind at the landfill property boundary and two downwind at the landfill property boundary (Figure 1). Low concentrations of methane and toluene were detected upwind and downwind of the site. Is the data consistent with previous results does it exceed the intergarted surface level. Results are discussed in Section 6.2 and field and laboratory data from ambient air monitoring are included in Appendix F.

#### 1.3.6 SCAQMD Rule 431.1 Sulfur Monitoring

Monitoring for total reduced sulfur compounds (TRS) is conducted in accordance with the tier methodology described in the Alternative Monitoring Plan for SCAQMD Rule 431.1, Bradley Landfill, dated April 1, 2003, Application Number 267044. The table below presents the tiered approach, which includes monitoring with bolometric tubes and the collection of a ten-liter bag sample in a Tedlar bag from each LFG Flare and gas plant inlet location. The Bradley Landfill is currently designated with a Tier I Action level.

| Action Level | AQMD Modified Tiers                        | Sampling Requirement                    |
|--------------|--|---|
| Tier I       | TS < 100 ppm                               | -Quarterly using Method 307-91          |
| ~:           |  | -Monthly using TUBE                     |
| Tier II      | $100 \text{ ppm} \le TS < 120 \text{ ppm}$ | -Monthly using Method 307-91            |
|              |  | -Weekly using TUBE                      |
| Tier III     | 120 ppm < TS <130 ppm                      | -Weekly using Method 307-91             |
|              |  | -Daily using TUBE                       |
| Tier IV      | TS > 130 ppm                               | -Potential Rule 431.1 Violation         |
|              |  | -Inform AQMD immediately following R430 |
|              | İ  | Breakdown Provisions                    |
| ····         |  | -Daily using Method 307-91              |

Collected samples are analyzed within 24 hours in accordance with SCAQMD Method 307-91. A detailed discussion of the sulfur content is discussed in Section 5.2

Monthly H<sub>2</sub>S sampling was conducted on April 5, May 27, and June 23, 2004. Samples were collected in 10-liter tedlar bags and were sent to AtmAA Laboratory for testing as required by Rule 431.1. Analytical results are presented in Appendix E.

|         |             | Table 1-1       |               |               |
|---------|-------------|-----------------|---------------|---------------|
|         | Sul         | lfur Monitoring | g Results     |               |
| Date    | Compressor  | Flare 1         | Flare 2       | Flare 3       |
|         | (Gas Sales) | $H_2S$          | $H_2S$        | $H_2S$        |
|         |             | concentration   | concentration | concentration |
|         |             | (ppmv)          | (ppmv)        | (ppmv)        |
| 4/5/04  | 51          | 50              | 29            | 14            |
| 5/27/04 | 59.9        | 16.8            | 40.2          | 56            |
| 6/23/04 | 60          | 49.37           | 38.4          | 24.4          |

#### 1.3.7 Recent Landfill Activity

Landfill operations limited integrated and instantaneous surface emission monitoring. Instantaneous and integrated surface emissions monitoring could not be conducted in grids where active filling was taking place. These areas are shown on Figure 1. In April 2004, active filling locations included Grids 58, 59, 65, 66, 68, 72 and 73. Active filling locations in May 2004, included Grids, 50, 53, 57, 64, 67 and 71. In June 2004, active filling locations included Grids 46, 48, 51 and 54.

Grid C monitoring is currently performed on a quarterly basis and the results are presented in Table 3-1.

# 2 SUBSURFACE PERIMETER PROBE MONITORING §1150.1(e)1

# 2.1 Subsurface Perimeter Probe Monitoring Protocol

Subsurface perimeter probe monitoring was performed in April, May, and June, 2004. Monthly gas samples are collected from perimeter probes yielding the highest field obtained TOC concentrations in percent by volume, measured as methane. Locations of the subsurface perimeter monitoring probes are shown on Figure 1, Surface Emissions Monitoring Site Plan.

Alternative monitoring procedures were used in the area of perimeter probe E-8D. These procedures include monitoring of the probes and performing surface emission monitoring of Grid 31-D, as specified in the Rule 1150.1 Compliance Plan for Bradley Landfill. The alternative procedures are implemented when TOC concentrations meet or exceed five (5) percent by volume, measured as methane.

Static pressure, in inches of water column, was measured prior to evacuating each probe. Probes were evacuated at a continuous rate until a stable methane concentration was observed. During the month of April, a calibrated GEM-500 Gas Extraction Monitor was used to measure methane by percent volume, methane by percent of LEL, oxygen by percent volume, carbon dioxide by percent volume, balance gas (nitrogen) by percent volume and static pressure in inches of water column. During the months of May and June, a GEM-2000 Gas Extraction Monitor was used to perform perimeter probe monitoring.

# 2.2 Subsurface Perimeter Probe Monitoring Results

Perimeter probes with the highest field-obtained TOC concentrations of methane for each month were selected to be sampled for laboratory analysis TOC as methane. On April 27 and May 31, methane was detected in Probe E-8D at 26.7 and 27.8 percent, respectively. Since methane was not detected at other probes in April and May, Tedlar bag samples were collected from E-8D. A TOC concentration of 32.4 percent by volume, measured as methane, for probe E-8D was obtained in the field on June 24, 2004. No sample was collected from probe E-8D in June due to Tedlar bag availability. Laboratory analysis of gas from this probe results in fairly consistent concentrations of TOC as methane. For example, July 2004 TOC concentrations were 38.4% methane. All other probe readings for the quarter, with the exception of probe E-8D, were 0% methane, which did not

exceed the 5% methane in perimeter probes. Field and laboratory data for perimeter probe monitoring is provided in Appendix B.

Perimeter probes that were selected to be samples, based on the highest field-obtained TOC concentrations for each month are listed below:

|        |         | Table 2-1                   |                           |
|--------|---------|-----------------------------|---------------------------|
|        |         | Perimeter Probe Sampling    | Results                   |
| Month  | Probe # | Field TOC Concentration (%) | Lab TOC Concentration (%) |
| Apr-04 | E-8D    | 26.7                        | 18.0                      |
| May-04 | E-8D    | 27.8                        | 23,2                      |
| Jun-04 | E-8D    | . 32.8                      | **                        |
| Jul-04 | E-8D    | 45.0                        | 38.4                      |

<sup>\*\*</sup> No sample was collected from Probe E-8D due to Tedlar bag availability.

# 3 INTEGRATED SURFACE EMISSION SAMPLING§1150.1(e)2

# 3.1 Integrated Surface Emission Sampling Protocol

Second Quarter, 2004, integrated surface emission monitoring and sampling was conducted on April 27 and 29, 2004. Protocols followed were pursuant to SCAQMD's Guidelines for Implementation of Rule 1150.1.

Prior to sampling, the landfill surface was divided into approximate 50,000 square-foot grids with the majority of the grids having dimensions 100 feet by 500 feet. Figure 3, Integrated Surface Grids Location Map, shows the location of each grid.

Integrated surface sampling (ISS) equipment, field protocol, and QA procedures used in this program were derived from the SCAQMD Guidelines for Implementation of Rule 1150.1, in accordance with the compliance plan for the Landfill. An RES technician sampled each grid using the walk pattern and collection rate specified in the guidelines. Each portable Integrated Sampler is comprised of a Tedlar bag, DC pump, and a calibrated flow controller. Each bag sampler is calibrated by a film (bubble meter) calibration method. Each Tedlar bag sample was purged three times with ultra-pure nitrogen before sampling and enclosed in a light-sealed box after sampling. Analyses were performed within 72 hours after sampling was conducted. Tedlar bag QA/QC checklist is in Appendix G.

Wind monitoring data recorded at the on site wind station were reduced to calculate 10-minute average wind speeds for those times when sampling was performed. Each integrated grid sample was collected over a continuous 25-minute period.

RES Environmental, Inc. personnel walked grids at approximate 25-foot intervals for a total of 2,600 linear feet in a period of 25 minutes. The integrated sampler wand was extended to no greater than one inch above the landfill surface. Integrated surface samples were collected at an approximate rate of 333 cubic centimeters per minute (cc/m). The technicians recorded the starting and ending time of each grid traverse, along with the average rotameter flow rate and the prevailing wind speed and direction. An OVA was used to measure the TOC concentration (in ppm, as methane) from each of the 10-liter bag samples collected from the pre-numbered grids.

The landfill sampling grids are divided into types A, B, and C. All type grids are sampled quarterly Type A surface grids have no exclusions from sampling and sampling is conducted in accordance with Rule 1150.1. Type B surface grids contain steep slopes or steep slopes and dense vegetation. Sampling of Type B grids consists of sampling the toe and top of 128 and 130. Grids 121 and 122 each defined as a Type "B" Grid, has been re-designated as a type "A" Grid due to the additional refuse that has been put in place. Vacuum readings from all gas extraction wells located within Type B grids are recorded monthly and included in the quarterly report. Type C grids are located in the area of active recycling operations. Sampling of Type C surface

grids are performed quarterly, during the Integrated sampling event. Sampling of Type C surface grids consists of sampling a course of 2,600 linear feet but not less than 1,900 linear feet in each grid for a continuous 25-minute period, excluding stockpiles, stored equipment and recycling equipment. Vacuum readings from all gas extraction wells located within Type C active recycling grids are recorded monthly and included in the quarterly report. Vacuum readings recorded in the second quarter from the extraction wells located in Type B and C Grids are presented in Table 3-1.

Due to active landfill operations, integrated landfill surface measurements were not obtained for Grids 58, 59, 65, 66, 68, and 72 on April 29, 2004.

Tedlar bag samples from grids 86 and 88 were sent to AtmAA, Inc., for further analysis of toxic air contaminants, methane, and TGNMOs. Technicians responsible for transporting the integrated samples recorded pertinent information on a chain-of custody form included in Appendix C, Integrated Surface Emission Sampling. Additional personnel, including lab technicians, also recorded their signatures on the chain-of-custody form.

Integrated surface samples were collected when the average wind speed was less than five miles per hour and the instantaneous wind speed was less than ten miles per hour. Integrated samples were not collected within 72 hours of a rainstorm. Wind speed and direction measurements are tracked on the chart included in Appendix C, Integrated Surface Emission Sampling. Weather data taken during integrated monitoring which can be found in Appendix C.

# 3.2 Integrated Surface Sampling Results

The TOC concentration collected from each grid is listed in Table 3-1, Integrated Surface Sampling Field Summary. Field data sheets are presented in Appendix C. All of the integrated TOC readings were within compliance limits, as set forth by SCAQMD Rule 1150.1. Typically, the two samples having the highest field TOC concentrations are sent to the laboratory for further analysis. The TOC background reading was 5.0 ppm. During surface emissions monitoring, TOC concentrations above background were no more than 2 ppm. In some grids, observed readings were 1 to 2 ppm below background. Samples from grids 86 and 88 were randomly selected for laboratory analysis.

# 3.3 Integrated Surface Sampling Laboratory Results

Integrated samples were collected from Grid Nos. 86 and 88 and were transported to AtmAA, Inc. on April 30, 2004 for further analysis. Table 3-2, Integrated Surface Sampling, Laboratory Summary, lists the laboratory analysis methods and results.

Laboratory analysis by method TO-15 of the sample from Grid 86 (Lab Sample ID 01214-17), detected benzene, dichloromethane, carbon tetrachloride, toluene, m, p-xylenes, and o-xylene. The TGNMO concentration was 1.50 ppm and the methane concentration was 1.81 ppm.

Laboratory analysis by method TO-15 of the sample from Grid 88 (Lab Sample ID 01214-16), detected benzene, dichloromethane, carbon tetrachloride, toluene, m, p-xylenes, and o-xylene. The TGNMO concentration was 1.09 ppm and the methane concentration was 1.90 ppm.

# Table 3-1

Integrated Surface Sampling, Field Summary
Bradley Landfill and Recycling Center
Sun Valley, California

INSTRUMENT

OVA 128/88 88-ISS Packs DATE OF SAMPLING: 4/27/04 & 4/29/04 TECHNICIAN: RES Environmental Inc.

| Grid I.D.   | TOC<br>CONCENTRATION | Sample<br>Date         | ACTION TAKEN<br>TO REPAIR LEAK | DATE OF<br>REPAIR                     | DATE OF ANY<br>REQUIRED RE- | RE-MONITORED CONCENTRATION             |
|-------------|----------------------|------------------------|--------------------------------|---------------------------------------|-----------------------------|--|
| <del></del> | (ppmv)               |                        |                                | · · · · · · · · · · · · · · · · · · · | MONITORING                  | (ppmv)                                 |
| 2           | 5<br>5               | 4/27/2004<br>4/27/2004 | N/A                            |                                       |                             |  |
| 3           | 6                    | 4/27/2004              | N/A<br>N/A                     |                                       | <u> </u>                    | ······································ |
| 4           | 5                    | 4/27/2004              | N/A<br>N/A                     |                                       |                             |  |
| 5           | . 6                  | 4/27/2004              | N/A<br>N/A                     |                                       |                             |  |
| 6           | 5                    | 4/27/2004              | N/A                            |                                       | -                           |  |
| 7           | 5                    | 4/27/2004              | N/A                            |                                       | ļ                           |  |
| 8           | 4                    | 4/27/2004              | N/A                            |                                       | <u> </u>                    | <del></del>                            |
| 9           | 6                    | 4/27/2004              | N/A                            |                                       | <del>-</del>                |  |
| 10          | 5                    | 4/27/2004              | N/A                            | <del></del>                           |                             |  |
| 11          | 5                    | 4/29/2004              | N/A                            |                                       |                             |  |
| 12          | 5                    | 4/29/2004              | N/A                            |                                       | <del></del>                 |  |
| 13          | 5                    | 4/29/2004              | N/A                            |                                       |                             |  |
| 14          | 4                    | 4/29/2004              | N/A                            |                                       |                             |  |
| 15          | 5                    | 4/29/2004              | N/A                            |                                       |                             | :                                      |
| 16          | 5                    | 4/29/2004              | N/A                            |                                       | i                           | · · · · · · · · · · · · · · · · · · ·  |
| 17          | 5                    | 4/29/2004              | N/A                            |                                       |                             |  |
| 18          | 5                    | 4/29/2004              | N/A                            |                                       |                             |  |
| 19          | 4                    | 4/29/2004              | N/A                            |                                       |                             |  |
| 20          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 21          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 22          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 23          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 24          | 6                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 25<br>26    | 4                    | 4/29/2004              | N/A                            |                                       |                             |  |
| 27          | 5                    | 4/29/2004              | N/A                            |                                       |                             |  |
| 28          | 5 4                  | 4/29/2004              | N/A                            | · · · · · · · · · · · · · · · · · · · |                             |  |
| 29          | 4 4                  | 4/29/2004<br>4/29/2004 | N/A                            |                                       |                             |  |
| 30          | 5                    | 4/29/2004              | N/A<br>N/A                     |                                       |                             |  |
| 31          | 5                    | 4/27/2004              | N/A<br>N/A                     |                                       |                             |  |
| 32          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 33          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 34          | 5                    | 4/27/2004              | N/A                            | <u> </u>                              | <u> </u>                    |  |
| 35          | 5                    | 4/27/2004              | N/A                            | ····                                  |                             |  |
| 36          | 4                    | 4/27/2004              | N/A                            | ···                                   |                             | · · · · · · · · · · · · · · · · · · ·  |
| 37          | 5                    | 4/27/2004              | N/A                            | ·                                     |                             |  |
| 38          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 39          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 40          | . 4                  | 4/27/2004              | N/A                            |                                       |                             |  |
| 41          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 42          | 4                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 43          | 4                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 44          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 45          | 4                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 46          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 47          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 48          | 4                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 49          | 4                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 50          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 51          | 4                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 52<br>50    | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 53          | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 54<br>55    | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 55<br>56    | 5                    | 4/27/2004              | N/A                            |                                       |                             |  |
| 56          | 4                    | 4/27/2004              | N/A                            |                                       |                             |  |

# Table 3-1 Integrated Surface Sampling, Field Summary

Bradley Landfill and Recycling Center Sun Valley, California

INSTRUMENT

OVA 128/88 88-ISS Packs DATE OF SAMPLING: 4/27/04 & 4/29/04 TECHNICIAN: RES Environmental Inc.

| Grid I.D. | TOC<br>CONCENTRATION<br>(ppmv) | Sample<br>Date         | ACTION TAKEN<br>TO REPAIR LEAK | DATE OF<br>REPAIR                     | DATE OF ANY<br>REQUIRED RE-<br>MONITORING | RE-MONITORED<br>CONCENTRATION<br>(ppmv)   |
|-----------|--------------------------------|------------------------|--------------------------------|---------------------------------------|---|---|
| 57        | 5                              | 4/27/2004              | N/A                            |                                       |   | N. P. |
| 60        | 5                              | 4/27/2004              | N/A                            |                                       | -   |   |
| 61        | 4                              | 4/27/2004              | N/A                            |                                       |   |   |
| 62        | 5                              | 4/29/2004              | N/A                            |                                       | <u> </u>                                  |   |
| 63        | 4                              | 4/27/2004              | N/A                            |                                       |   |   |
| 64        | 5                              | 4/27/2004              | N/A                            |                                       |   |   |
| 67        | 5                              | 4/27/2004              | N/A                            |                                       |   |   |
| 69        | 6                              | 4/27/2004              | N/A                            |                                       |   |   |
| 70        | . 5                            | 4/27/2004              | N/A                            |                                       |   |   |
| 71        | 4                              | 4/27/2004              | N/A                            |                                       |   |   |
| 73        | 5                              | 4/27/2004              | N/A                            |                                       |   |   |
| 74<br>75  | 5                              | 4/27/2004              | N/A                            |                                       |   |   |
| 76        | 5                              | 4/27/2004              | N/A                            |                                       |   |   |
| 77        | 5                              | 4/27/2004              | N/A                            |                                       |   |   |
| 78        | 5 5                            | 4/27/2004              | N/A                            |                                       |   |   |
| 79        |                                | 4/29/2004              | N/A                            | · · · · · · · · · · · · · · · · · · · |   |   |
| 80        | 5                              | 4/29/2004              | N/A                            |                                       |   |   |
| 81        | 4                              | 4/27/2004<br>4/29/2004 | N/A                            |                                       |   |   |
| 82        | 7                              | 4/29/2004              | N/A                            |                                       |   |   |
| 83        | 5                              | 4/29/2004              | N/A<br>N/A                     |                                       |   | ····                                      |
| 84        | 5                              | 4/29/2004              | N/A<br>N/A                     |                                       |   |   |
| 85        | 4                              | 4/29/2004              | N/A<br>N/A                     |                                       |   |   |
| 86*       | 3                              | 4/29/2004              | N/A                            |                                       |   |   |
| 87        | 5                              | 4/29/2004              | N/A                            |                                       |   |   |
| 88*       | 4                              | 4/29/2004              | N/A                            |                                       |   |   |
| 89        | 5                              | 4/29/2004              | N/A                            |                                       | <del> </del>                              |   |
| 90        | 4                              | 4/29/2004              | N/A                            |                                       |   |   |
| 91        | 4                              | 4/29/2004              | N/A                            |                                       |   |   |
| 92        | 3                              | 4/29/2004              | N/A                            |                                       |   |   |
| 93        | 5                              | 4/29/2004              | N/A                            |                                       | ļ   |   |
| 94        | 5                              | 4/29/2004              | N/A                            |                                       |   |   |
| 95        | 6                              | 4/29/2004              | N/A                            |                                       |   | <del> </del>                              |
| 96        | 5                              | 4/29/2004              | N/A                            |                                       |   |   |
| 97        | 4                              | 4/29/2004              | N/A                            | ******                                |   |   |
| 98        | 6                              | 4/29/2004              | N/A                            |                                       |   | · · · · · · · · · · · · · · · · · · ·     |
| 99        | 5                              | 4/29/2004              | N/A                            |                                       |   |   |
| 100       | 3                              | 4/29/2004              | N/A                            |                                       |   |   |
| 101       | 3                              | 4/29/2004              | N/A                            |                                       |   |   |
| 102       | 5                              | 4/29/2004              | N/A                            |                                       |   |   |
| 103       | 5                              | 4/29/2004              | N/A                            |                                       |   |   |
| 104       | 4                              | 4/29/2004              | N/A                            |                                       |   |   |
| 105       | 5                              | 4/29/2004              | N/A                            |                                       |   |   |
| 106       | 6                              | 4/29/2004              | N/A                            |                                       |   |   |
| 107       | 5                              | 4/29/2004              | N/A                            |                                       |   |   |
| 108       | 3                              | 4/29/2004              | N/A                            |                                       |   |   |
| 109       | 4                              | 4/29/2004              | N/A                            |                                       |   |   |
| 110       | 5                              | 4/29/2004              | N/A                            |                                       |   |   |
| 111       | 6                              | 4/29/2004              | N/A                            |                                       |   |   |
| 112       | 5                              | 4/29/2004              | N/A                            |                                       |   |   |
| 113       | 3                              | 4/29/2004              | N/A                            |                                       |   |   |
| 114       | 4                              | 4/29/2004              | N/A                            |                                       |   |   |
| 115       | 5                              | 4/29/2004              | N/A                            |                                       |   |   |
| 116       | 3                              | 4/29/2004              | N/A                            |                                       |   |   |
| 117       | 5                              | 4/29/2004              | N/A                            |                                       |   |   |
| 118       | 3                              | 4/29/2004              | N/A                            |                                       |   |   |

# Table 3-1 Integrated Surface Sampling, Field Summary

Bradley Landfill and Recycling Center Sun Valley, California

INSTRUMENT

OVA 128/88

DATE OF SAMPLING: 4/27/04 & 4/29/04

88-ISS Packs TECHNICIAN: RES Environmental Inc.

TOC Sample ACTION TAKEN

| Grid I.D.            | TOC<br>CONCENTRATION<br>(ppmv) | Sample<br>Date | ACTION TAKEN<br>TO REPAIR LEAK | DATE OF<br>REPAIR                       | DATE OF ANY<br>REQUIRED RE-<br>MONITORING | RE-MONITORED<br>CONCENTRATION<br>(ppmv) |
|----------------------|--------------------------------|----------------|--------------------------------|---|---|---|
| 119                  | 3                              | 4/29/2004      | N/A                            |   |   |   |
| 120                  | 3                              | 4/29/2004      | N/A                            |   |   | ·                                       |
| 121                  | 4                              | 4/29/2004      | N/A                            | *************************************** | ····                                      |   |
| 122                  | 4                              | 4/29/2004      | N/A                            |   |   |   |
| 123                  | 5                              | 4/29/2004      | N/A                            |   |   | · · · · · · · · · · · · · · · · · · ·   |
| 124                  | 4                              | 4/29/2004      | N/A                            |   | -   |   |
| 125                  | 4                              | 4/29/2004      | N/A                            | · · · · · · · · · · · · · · · · · · ·   |   | <del></del>                             |
| 126                  | 3                              | 4/29/2004      | N/A                            |   |   |   |
| 127                  | 3                              | 4/29/2004      | N/A                            |   |   |   |
| 128                  | 6                              | 4/29/2004      | N/A                            |   |   |   |
| 129                  | 5                              | 4/29/2004      | N/A                            |   |   | <del></del>                             |
| 130                  | 4                              | 4/29/2004      | N/A                            |   | <u> </u>                                  |   |
| 131                  | 4                              | 4/29/2004      | N/A                            |   |   |   |
| 132                  | 4                              | 4/29/2004      | N/A                            |   |   |   |
| Active Dumping Areas |                                |                |                                |   |   |   |
| 58                   | N/A                            | 4/29/2004      | N/A                            | · · · · · · · · · · · · · · · · · · ·   |   | · · · · · · · · · · · · · · · · · · ·   |
| 65                   | N/A                            | 4/29/2004      | N/A                            |   |   |   |
| 68                   | N/A                            | 4/29/2004      | N/A                            | ··                                      |   |   |
| 72                   | N/A                            | 4/29/2004      | N/A                            |   |   |   |
| 59                   | N/A                            | 4/29/2004      | N/A                            |   |   | · · · · · · · · · · · · · · · · · · ·   |
| 66                   | N/A                            | 4/29/2004      | N/A                            |   | <del></del>                               | ······································  |

<sup>\* =</sup> Additional 10-liter Tedlar bag samples from Grids 86 and 88 were sent to the lab for further analysis.

# Table 3-2 Integrated Surface Sampling Laboratory Summary

Bradley Landfill & Recycling Center (BLRC)
April 30, 2004

| Compound                        | Sample ISS Grid 88<br>Results (ppbV) | Sample ISS Grid 86<br>Results (ppbV) | Reporting Limit (ppbV) |
|---------------------------------|--------------------------------------|--------------------------------------|------------------------|
| Hydrogen Sulfide                | <50                                  | <50                                  | 50                     |
| Benzene                         | 0.24                                 | 0.28                                 | 1.6                    |
| Benzyl Chloride                 | <0.5                                 | <0.5                                 | 0.97                   |
| Carbon Tetrachloride            | 0.12                                 | 0.12                                 | 0.80                   |
| Chlorobenzene                   | <0.1                                 | <0.1                                 | 1.1                    |
| Chloroform                      | <0.1                                 | <0.1                                 | 1.0                    |
| 1,1-Dichloroethane              | <0.1                                 | <0.1                                 | 1.2                    |
| 1,1-Dichloroethene              | <0.1                                 | <0.1                                 | 1.3                    |
| 1,2-Dibromoethane               | <0.1                                 | <0.1                                 | 0.65                   |
| Dichlorobenzenes <sup>(1)</sup> | <1.1                                 | <1.1                                 | 0.83                   |
| Dichloromethane                 | 0.14                                 | 0.22                                 | <0.1                   |
| 1,2-Dichloroethane              | <0.1                                 | <0.1                                 | 1.2                    |
| 1,1,1-Trichloroethane           | <0.1                                 | <0.1                                 | 0.92                   |
| Trichloroethene                 | <0.1                                 | <0.1                                 | 1.4                    |
| Perchloroethene                 | <0.1                                 | <0.1                                 | <0.1                   |
| Toluene                         | 1.86                                 | 0.96                                 | 1.3                    |
| Total Xylenes*                  | 0.56                                 | 0.58                                 | 1.2                    |
| Trichloroethene                 | ND                                   | ND                                   | 0.93                   |
| Vinyl Chloride                  | <0.1                                 | <0.1                                 | 2.0                    |

SCAQMD Rule 1150.1 Components Analysis in Integrated Surface Tedlar Bag Samples

| Compound                                   | Sample ISS Grid 88<br>Results<br>(ppmV) | Sample ISS 86<br>Results<br>(ppmV) | Reporting Limit (ppmV) |
|--|---|------------------------------------|------------------------|
| Methane                                    | 1.90                                    | 1.81                               | 0.5                    |
| Total Non-Methane<br>Organics (as methane) | 1.09                                    | 1.50                               | 1.0                    |

<sup>&</sup>lt; Not detected at or above the method detection limit.

<sup>\*</sup>Total xylenes reported includes the sum of the detected concentrations of m-& p-xylenes and o-xylenes.

<sup>(1)</sup> total amount containing meta, para, and ortho isomers

Ta 3-3

# LFG Well Data ω(+k.λ)

# "B" and "C" Monitoring Grids Second Quarter 2004

Bradley Landfill and Recycling Center Sun Valley, California

| ·         |                  | 1 22. | 1 0 5 5 |      |         |                |             |        |                 |               |
|-----------|------------------|-------|---------|------|---------|----------------|-------------|--------|-----------------|---------------|
| Davies ID | 100°             | CH4   | CO2     | 02   | Balance | Stat Press In. | Temperature |        |                 |               |
| Device ID | Date/Time        | (%)   | (%)     | (%)  | (%)     | H20            | (DegF)      | (Scfm) | Comments        | Grid Type     |
| BR000001  | 4/7/04 9:07 AM   | 32.3  | 30.4    | 0.1  | 37.2    | -55            | 138         |        | 25% Open        | C             |
| BR000001  | 5/18/04 2:35 PM  | 40.2  | 5.5     | 0.5  | 53.8    | -6.1           | 102         | 19     | Normal          | C             |
| BR000001  | 6/8/04 8:29 AM   | 42.4  | 31.9    | 0    | 25.7    | -18.9          | 134         | 31     | Open            | C             |
| BR000002  | 4/7/04 9:15 AM   | 27.8  | 30      | 0    | 42.2    | -3.2           | 117         | 15     | Flow Decreased  | C             |
| BR000002  | 5/12/04 2:40 PM  | 40.6  | 35.5    | 0.1  | 23.8    | -7.4           | 77 ·        | 24     | Open            | C             |
| BR000002  | 6/8/04 8:38 AM   | 44.6  | 34.9    | 0    | 20.5    | -2.1           | 104         | 8      | Open            | C             |
| BR000003  | 4/7/03 9:19 AM   | 0.5   | 6.6     | 10.4 | 82.5    | 0              | 144         | 0      | Open For Sample | C             |
| BR000003  | 5/27/04 3:43 PM  | 6.3   | 11.1    | 8.7  | 73.9    | -12.2          | 80          | 3      | No Changes made | C             |
| BR000003  | 6/22/04 2:35 PM  | 4.8   | 10.4    | 8.6  | 76.2    | -1.1           | 90          |        | Closed          | C             |
| BR000004  | 4/7/04 9:34 AM   | 29    | 25.7    | 0.5  | 44.8    | -5.4           | 116         | 1      | 25% Open        | C             |
| BR000004  | 5/27/04 3:53 PM  | 30.5  | 26.5    | 0.2  | 42.8    | -28.2          | 109         |        | 3/4 Open        | C             |
| BR000004  | 6/22/04 2:28 PM  | 27.3  | 26.8    | 0.2  | 45.7    | -12.7          | 83          | 0      | Open            | Č             |
| BR000005  | 4/7/04 9:40 AM   | 0.3   | 6.3     | 5.8  | 87.6    | 0              | 70          | 0      | Open For Sample | C             |
| BR000005  | 5/27/04 4:02 PM  | 8.5   | 11.2    | 0.9  | 79.4    | -2             | 100         | 2      | Full Open       | C             |
| BR000005  | 6/8/04 10:06 AM  | 1.1   | 9.2     | 5.6  | 84.1    | -24.3          | 102         | 9      | Open            | C             |
| BR000006  | 4/7/04 9:42 AM   | 0.8   | 2.8     | 15.8 | 80.6    | 0              | 70          | 0      | Open For Sample | c             |
| BR000006  | 5/12/04 3:17 PM  | 9.7   | 13.2    | 4.7  | 72,4    | -0.1           | 81          |        | Open            | C             |
| BR000006  | 6/8/04 10:13 AM  | 8.2   | 19.1    | 0.5  | 72.2    | -24.6          | 108         |        | Open            | C             |
| BR000007  | 4/7/04 9:50 AM   | 9.2   | 19.5    | 3    | 68.3    | 0              | 72          | 0      | Open For Sample | C             |
| BR000007  | 5/13/04 10:01 AM | 6.8   | 9.8     | 11.9 | 71.5    | -9.6           | 81          | 0      | Valve Closed    | C             |
| BR000007  | 6/8/04 10:25 AM  | 10    | 22.1    | 0.5  | 67.4    | -0.6           | 80          |        | Offline         | C             |
| BR000008  | 4/7/04 9:52 AM   | 0     | 1.6     | 18.7 | 79.7    | 0              | 72          | 0      | Open For Sample | C             |
| BR000008  | 5/13/04 10:03 AM | 0.1   | 0.5     | 19.9 | 79.5    | -0.3           | 80          |        | Offline         | C             |
| BR000008  | 6/8/04 10:29 AM  | 0     | 0       | 20.4 | 79.6    | -0.3           | 70          |        | Offline         | C             |
| BR000009  | 4/7/04 9:54 AM   | 28.9  | 31.2    | 0.4  | 39.5    | -7.8           | 116         |        | 25% Open        | c             |
| BR000009  | 5/13/04 10:08 AM | 29.3  | 31      | 0.1  | 39.6    | -4.9           | 79          |        | (1) turn open   | C             |
| BR000009  | 6/8/04 10:35 AM  | 29.9  | 32.1    | 0    | 38      | -3.9           | 112         |        | Open            | $\frac{c}{c}$ |
| BR000010  | 4/7/04 10:46 AM  | 30.5  | 32.1    | 0.5  | 36.9    | -12            | 124         |        | 25% Open        | C             |
| BR000010  | 5/13/04 11:18 AM | 30.4  | 30.9    | 0.3  | 38.4    | -13.3          | 124         |        | 25% Open        | c             |
| BR000010  | 6/8/04 11:30 AM  | 36.2  | 33.5    | 0    | 30.3    | -19.7          | 128         |        | Offline         | $\frac{c}{c}$ |
| BR000011  | 4/9/04 7:58 AM   | 42.6  | 35.7    | 0.7  | 21      | -7.1           | 87          |        | Flow Increased  | C             |
| BR000011  | 5/13/04 11:30 AM | 28.1  | 28.7    | 0.2  | 43      | -5.7           | 115         |        | Open Open       |               |
| BR000011  | 6/8/04 11:55 AM  | 44.3  | 35.1    | 0.1  | 20.5    | -4.9           | 120         |        |                 | C             |
|           |                  |       | 20.1    | U.1  | 20.5    | -4.7           | 120         | 1      | Open            | С             |

yes there well

#### Ta 3-3

#### LFG Well Data

# "B" and "C" Monitoring Grids Second Quarter 2004

Bradley Landfill and Recycling Center Sun Valley, California

|           |                  | CH4  | CO2  | O2          | Balance   | Ctat Days In   | Lon         | 771    |                |               |
|-----------|------------------|------|------|-------------|-----------|----------------|-------------|--------|----------------|---------------|
| Device ID | Date/Time        | (%)  | (%)  | (%)         | \$        | Stat Press In. | Temperature | Flow   | <u></u>        |               |
| BR000014  | 4/7/04 9:23 AM   | 16.2 | 20.7 | 0.1         | (%)<br>63 | H20            | (DegF)      | (Scim) | Comments       | Grid Typ      |
| BR000014  | 5/26/04 2:15 PM  | 24.1 | 24.3 |             |           | -0.6           | 90          | 1      | Cracked        | С             |
| BR000014  | 6/8/04 8:48 AM   | 25.8 | 24.3 | 0           | 51.6      | -2             | 100         | 1      | Open           | С             |
| BR000015  | 4/7/04 9:26 AM   | 14.7 | 18.4 | <del></del> | 50.1      | -21.1          | 120         | 4      | Open           | C             |
| BR000015  | 5/27/04 3:49 PM  | 23.3 | 22.9 | 0           | 66.9      | -0.8           | 80 .        | 0      | Cracked        | C             |
| BR000015  | 6/8/04 9:40 AM   | 15.2 |      | 0.2         | 53.6      | -24.8          | 90          | 1      | 1/2 Open       | С             |
| BR000016  | 4/7/04 9:29 AM   |      | 19.5 | 0           | 65.3      | -13.3          | 88          | 0      | Offline        | C             |
| BR000016  | 5/12/04 3:07 PM  | 25.4 | 24.9 | 0.4         | 49.3      | -7.8           | 110         | 2      | 25% Open       | С             |
| BR000016  | 6/8/04 9:47 AM   | 33.8 | 27.8 | 0.1         | 38.3      | -2.1           | 81          | 18     | 1/4 Closed     | С             |
| BR000017  |                  | 40.9 | 31.2 | 0           | 27.9      | -8.8           | 75          | 6      | Open           | C             |
|           | 4/7/04 9:47 AM   | 19.6 | 24.3 | 0.7         | 55.4      | -5             | 106         |        | 25% Open       | С             |
| BR000017  | 5/13/04 9:56 AM  | 24.7 | 25.5 | 0.3         | 49.5      | -3.9           | 86          | 24     | Open           | С             |
| BR000017  | 6/8/04 10:19 AM  | 19.6 | 25.5 | 0.1         | 54.8      | -12.5          | 80          | 28     | Open           | С             |
| BR000018  | 4/7/04 9:38 AM   | 23.6 | 21.5 | 2.6         | 52.3      | -0.8           | 96          | 0      | Cracked        | С             |
| BR000018  | 5/27/04 3:57 PM  | 23.7 | 20.1 | 4.8         | 51.4      | -19.5          | 109         | 0      | 1/4 Open       | С             |
| BR000018  | 6/22/04 2:47 PM  | 16.2 | 18.7 | 2.4         | 62.7      | -0.5           | 93          |        | Offline        | C             |
| BR000019  | 4/23/04 9:29 AM  | 37.6 | 32,3 | 0.6         | 29.5      | -14.9          | 126         | 88     | Max Flow       | C             |
| BR000019  | 5/13/04 10:52 AM | 39.9 | 32.7 | 0.4         | 27        | -16.4          | 123         | 117    | Max Open       | C             |
| BR000019  | 6/8/04 10:56 AM  | 39.7 | 33.5 | 0.2         | 26.6      | -14.4          | 123         | 1.02   | Open           | Č             |
| BR000020  | 4/7/04 10:09 AM  | 39.7 | 30.1 | 1.9         | 28.3      | -4.1           | 95          | 18     | Flow Increased | c             |
| BR000020  | 5/13/04 10:49 AM | 33.6 | 26.7 | 0.9         | 38.8      | -10.7          | 94          |        | Open           | c             |
| BR000020  | 6/8/04 10:52 AM  | 28.6 | 26.6 | 0.5         | 44.3      | -8.5           | 96          |        | Open           | Č             |
| BR000021  | 4/7/04 10:04 AM  | 23.4 | 25.7 | 0.4         | 50.5      | -2.2           | 125         |        | Cracked        | C             |
| BR000021  | 5/13/04 10:46 AM | 30.2 | 26.3 | 0.3         | 43.2      | -2.4           | 81          | 5      | Valve Closed   | c             |
| BR000021  | 6/8/04 10:47 AM  | 25.5 | 23   | 2.7         | 48.8      | -1.4           | 80          | 0      | Open           | T C           |
| BR000022  | 4/7/04 9:59 AM   | 21.8 | 19.4 | 8.2         | 50.6      | -0.4           | 119         |        | Flow Decreased | Č             |
| BR000022  | 5/13/04 10:40 AM | 28.6 | 20   | 9.4         | 42        | -0.9           | 81          |        | Open           | C             |
| BR000022  | 6/8/04 10:40 AM  | 28.4 | 23   | 8.3         | 40.3      | -1             | 90          |        | Open           | $\frac{c}{c}$ |
| BR000025  | 4/9/04 7:52 AM   | 52.2 | 38:3 | 0.1         | 9.4       | -17.5          | 112         |        | Max Flow       | C             |
| BR000025  | 5/13/04 11:40 AM | 52.7 | 37.4 | . 0.3       | 9.6       | -5.9           | 110         |        | Open           | $\frac{c}{c}$ |
| BR000025  | 6/14/04 10:10 AM | 78.3 | 21.3 | 0.3         | 0.1       | -0.9           | 100         |        | Open           | C             |
| BR000026  | 4/7/04 10:37 AM  | 43.2 | 37.2 | 0.4         | 19.2      | -19.6          | 122         |        | Max Flow       | C             |
| BR000026  | 5/31/04 3:12 PM  | 47.7 | 35.4 | 0.7         | 16.2      | -26            | 120         |        | Full Open      |               |
| BR000026  | 6/8/04 11:20 AM  | 46.8 | 37.4 | 0.1         | 15.7      | -19.7          | 120         |        |                | C             |
|           |                  |      |      |             | /         | = 1.7.1        | 120         | v      | Open           | C             |

#### Ta \_\_\_ 3-3

## LFG Well Data

## "B" and "C" Monitoring Grids Second Quarter 2004

Bradley Landfill and Recycling Center Sun Valley, California

|           |                  |      |      |      |         |                | <u>:</u>    |        |                 |               |
|-----------|------------------|------|------|------|---------|----------------|-------------|--------|-----------------|---------------|
|           |                  | CH4  | CO2  | O2   | Balance | Stat Press In. | Temperature | Flow   |                 | 7 1           |
| Device ID | Date/Time        | (%)  | (%)  | (%)  | (%)     | H20            | (DegF)      | (Scfm) | Comments        | Grid Typ      |
| BR000027  | 4/7/04 10:40 AM  | 26.9 | 30.1 | 0.4  | 42.6    | -8.7           | 118         | 15     | Flow Decreased  | C             |
| BR000027  | 5/13/04 11:14 AM | 35.8 | 31.9 | 0.3  | 32      | -2.9           | 112         | 0      | Open            | C             |
| BR000027  | 6/8/04 11:25 AM  | 39.8 | 33   | 1.6  | 25.6    | -1.9           | 80          | 2      | Offline         | C             |
| BR000028  | 4/7/04 10:33 AM  | 19.6 | 27   | 0.3  | 53.1    | -1.9           | 110         | 7      | Cracked         | C             |
| BR000028  | 5/13/04 11:21 AM |      | 22.6 | 0.3  | 60.6    | -2.3           | 90          | 0      | Offline         | C             |
| BR000028  | 6/8/04 11:42 AM  | 19.4 | 26.5 | 0.1  | 54      | -2.5           | 80          | 0      | Offline         | C             |
| BR000029  | 4/7/04 11:06 AM  | 0    | 0    | 20.1 | 79.9    | 0              | 60          | 0      | Offline         | C             |
| BR000029  | 5/24/04 1:25 PM  | 0    | 4.6  | 14.4 | 81      | -6.5           | 3.778       | 15     | Off Line        | C             |
| BR000029  | 6/3/04 2:18 PM   | 0    | 2.4  | 17.2 | 80.4    | 0              | 118         | 1      | Open            | C             |
| BR000031  | 4/9/04 8:42 AM   | 0.3  | 3.4  | 16.4 | 79.9    | 0              | 70          | 0      | Open For Sample | C             |
| BR000031  | 5/24/04 3:40 PM  | 3.6  | 12.9 | 7.6  | 75.9    | -4.4           | 5.984       | 0      | Open For Sample | C             |
| BR000031  | 6/14/04 9:49 AM  | 0    | 0    | 20.5 | 79.5    | -0.4           | 80          | 0      | Offline         | C             |
| BR000033  | 4/9/04 8:35 AM   | 14.9 | 24   | 0.5  | 60.6    | 0              | 125         | 0      | Open for Sample | C             |
| BR000033  | 5/17/04 5:22 PM  | 19.9 | 26.6 | 0.1  | 53.4    | -3.5           | 81          | 0      | Open For Sample | c             |
| BR000033  | 6/14/04 11:01 AM | 18.8 | 23.3 | 1.3  | 56.6    | -1.3           | 121         | 0      | Online          | C             |
| BR000034  | 4/9/04 8:31 AM   | 5.7  | 21.3 | 0    | 73      | 0              | 90          | 0      | Open For Sample | C             |
| BR000034  | 5/27/04 4:20 PM  | 9.4  | 16.7 | 6    | 67.9    | 0              | 80          | 0      | No Thermometer  | C             |
| BR000034  | 6/22/04 3:00 PM  | 8    | 18.4 | 2.4  | 71.2    | -2.2           | 0           | 0      | Offline         | C             |
| BR000036  | 4/9/04 9:35 AM   | 2.4  | 11.5 | 8.4  | 77.7    | 0              | 111         | 0      | Open For Sample | C             |
| BR000036  | 5/17/04 3:14 PM  | 5.2  | 16.1 | 2.8  | 75.9    | -5.9           | 90          | 2      | Open For Sample | C             |
| BR000036  | 6/3/04 10:13 AM  | 0    | 0    | 20.3 | 79.7    | 0.7            | 70          |        | Open            | $\frac{c}{c}$ |
| BR000039  | 4/9/04 9:25 AM   | 3.1  | 16.3 | 3.7  | 76.9    | 0              | 80          | 0      | Open For Sample | В             |
| BR000039  | 5/17/04 4:59 PM  | 7.2  | 20   | 1    | 71.8    | -6.9           | 80          |        | Open For Sample | В             |
| BR000039  | 6/3/04 9:53 AM   | 0    | 0.1  | 20.3 | 79.6    | 0.7            | 96          |        | Open            | В             |
| BR000084  | 4/7/04 9:11 AM   | 53.6 | 39.9 | 0    | 6.5     | -13.1          | 136         | 30     | Max Flow        | C             |
| BR000084  | 5/12/04 2:37 PM  | 58.6 | 41   | 0.2  | 0.2     | -12            | 84          |        | Open            |               |
| BR000084  | 6/8/04 8:34 AM   | 73.4 | 26.5 | 0    | 0.1     | -13.4          | 110         | 43     | Open            | C             |
| BR00023D  | 4/7/04 10:15 AM  | 34.5 | 31.4 | 0.9  | 33.2    | -14.7          | 126         |        | Max Flow        | C             |
| BR00023D  | 5/13/04 11:00    | 38.7 | 32.5 | 0.2  | 28.6    | -14            | 90          |        | Open            | C             |
| BR00023D  | 6/8/04 11:04 AM  | 38.3 | 33.1 | 0    | 28.6    | -14.8          | 110         |        | Open            |               |
| BR00023S  | 4/7/04 10:13 AM  | 47.9 | 37.9 | 0.4  | 13.8    | -13            | 120         |        | Max Flow        | C             |
| BR00023S  | 5/13/04 10:58 AM | 50.2 | 37.7 | 0.4  | 11.7    | -13.5          | 90          |        |                 | C             |
| BR00023S  | 6/8/04 11:00 AM  | 48.4 | 37.8 | 0.7  | 13.8    | -11.9          | 110         |        | Open            | C             |
|           |                  |      | 37.0 |      | 13.0    | -11.9          | 110         | 0      | Open            | С             |

#### Ta--- 3-3

#### LFG Well Data

# "B" and "C" Monitoring Grids Second Quarter 2004

Bradley Landfill and Recycling Center Sun Valley, California

|           |                  | CH4  | CO2  | O2   | Balance | Stat Press In. | Temperature | Flow |                 | <del></del> |
|-----------|------------------|------|------|------|---------|----------------|-------------|------|-----------------|-------------|
| Device ID | Date/Time        | (%)  | (%)  | (%)  | (%)     | H20            | (DegF)      |      | Comments        | Grid Type   |
| BR00038D  | 4/9/04 9:23 AM   | 9.2  | 20.7 | 0.7  | 69.4    | 0              | 80          | 0    | Open For Sample | C           |
| BR00038D  | 5/17/04 2:47 PM  | 3.9  | 19.9 | 0.1  | 76.1    | -1.5           | 90          | 0    | Open For Sample | C           |
| BR00038D  | 6/3/04 9:56 AM   | 0    | 0    | 20.3 | 79.7    | 0.6            | 83          | 0    | Offline         | C           |
| BR00105D  | 4/7/04 10:30 AM  | 49.8 | 37   | 2.4  | 10.8    | -11.1          | 116         | 39   | Max Flow        | C           |
| BR00105D  | 5/13/04 11:07 AM |      | 36.2 | 2.7  | 9.8     | -11.6          | 100         | 0    | Open            | C           |
| BR00105D  | 6/8/04 11:15 AM  | 49.6 | 36.1 | 3.5  | 10.8    | -10            | 80          |      | Offline         | Č           |
| BR00105S  | 4/7/04 10:20 AM  | 33.4 | 32.8 | 0.1  | 33.7    | -9.1           | 122         | 35   | Maxflow         | Č           |
| BR00105S  | 5/13/04 11:04 AM |      | 32.2 | 0.2  | 33.5    | -10.7          | 95          | 0    | Open            | C           |
| BR00105S  | 6/8/04 11:10 AM  | 33.8 | 32.7 | 0    | 33.5    | -9.2           | 145         | 0    | Offline         | C           |
| BR00106D  | 4/7/04 10:48 AM  | 0    | 0.6  | 20   | 79.4    | 0              | 116         | 0    | Cannot Reach    | C           |
| BR00106D  | 5/13/04 11:27 AM | 55.7 | 40.7 | 0.4  | 3.2     | -20.6          | 116         | 0    | Valve open max  | C           |
| BR00106D  | 6/8/04 11:51 AM  | 54.2 | 41.1 | 0.2  | 4.5     | -17.7          | 118         |      | Open            | Č           |
| BR00106S  | 4/7/04 10:48 AM  | 0    | 0.8  | 19.9 | 79.3    | 0              | 116         | 0    | Cannot Reach    | Ċ           |
| BR00106S  | 5/13/04 11:25 AM | 20.9 | 27   | 0.2  | 51.9    | -3.2           | 90          | 48   | 1/2 Open        | С           |
| BR00106S  | 6/8/04 11:48 AM  | 19   | 27.7 | 0.1  | 53.2    | -3             | 100         | 48   | Open            | Ċ           |
| BR0EW100  | 4/7/04 10:43 AM  | 15.1 | 24.6 | 0.4  | 59.9    | -2             | 100         | 0    | Cracked         | C           |
| BR0EW100  | 5/13/04 11:48 AM | 20.3 | 24.9 | 0.5  | 54.3    | -4.3           | 109         | 28   | Open            | C           |
| BR0EW100  | 6/8/04 11:36 AM  | 17.6 | 24.9 | 0.8  | 56.7    | -4.7           | 100         | 27   | Open            | C           |
| BR0EW101  | 5/13/04 11:44 AM | 0.2  | 7    | 11.4 | 81.4    | -1             | 113         | 14   | Open            | C           |
| BR0EW101  | 6/16/04 3:20 PM  | 0    | 9.3  | 9.3  | 81.4    | -0.4           | 101         | 193  | Open            | Ċ           |
| BR0EW101  | 4/7/04 10:51 AM  | 0    | 10.2 | 8.3  | 81.5    | 0              | 156         | 0    | Offline         | Ċ           |

# 4 INSTANTANEOUS SURFACE EMISSION MONITORING§1150.1(e)3

# 4.1 Instantaneous Surface Emission Monitoring Protocol

Quarterly instantaneous surface emission monitoring was conducted in April, May, and June, 2004 by RES Inc. personnel and consisted of monitoring the landfill surface for the presence of landfill gas (LFG) surface emissions. Procedures described in the SCAQMD Guidelines for Implementation of Rule 1150.1 were followed.

Instantaneous Surface Monitoring (ISM) was performed using procedures and equipment described in the SCAQMD Guidelines for Implementation of Rule 1150.1, consistent with the compliance plan for the Landfill. A portable flame ionization detector (FID), which meets or exceeds all guideline specifications was used to obtain instantaneous measurements of total organic compounds (TOC) concentrations immediately above the surface of the grids. Calibrations were performed on the OVA equipment using factory specifications. While traversing the disposal area, the detector probe was held within three inches of the landfill surface to obtain the readings. A surface inspection was also performed during monitoring to identify potential cracks in the landfill cover.

Using the OVA, RES Environmental, Inc. personnel walked a pattern across the landfill surface consisting of linear traverses approximately 100 feet apart at an approximate rate of 100 to 110 feet per minute. TOC measurements were recorded at approximately every 100 linear feet. While monitoring, the OVA wand and funnel assembly was held no further than one inch above the landfill surface.

In addition to walking the traverses, the OVA was used by EMCON/OWT personnel to measure TOC concentrations at landfill surface fissures, along the refuse/natural soil interface, and at corrugated metal pipes, gas extraction wells and other points visually identified as areas potentially having repeatable TOC concentrations greater than 500 ppm.

The landfill sampling grids are divided into types A, B, and C. Type A surface grids have no exclusions from sampling and sampling is conducted in accordance with Rule 1150.1. Type B surface grids contain steep slopes or steep slopes and dense vegetation. Sampling of Type B grids consists of sampling the toe and top of Grids 128 and 130. Vacuum readings from gas extraction well 39, located within a Type B grid is recorded monthly and included in the quarterly report. Twenty-two Type C grids are located in the area of active recycling operations. Sampling of Type C surface grids consists of sampling a course of 2,600 linear feet but not less than 1,900 linear feet in each grid for a continuous 25-minute period, excluding stockpiles, stored equipment and recycling equipment. Vacuum readings from all gas extraction wells located within Type C active recycling grids are recorded monthly and included in the quarterly report. Vacuum readings recorded in the second quarter from the extraction wells located within Type B and C grids are presented in Table 3-3.

Areas that were not monitored due to landfill operation are shown on Figure 1.

Wind speed and direction were measured using a Climatronics portable meteorological station mounted on the roof of the main office building at the landfill described in Section 7, Field Instrumentation and Equipment Specifications. Measurements were recorded on a continuous strip chart recorder. The wind speed and direction monitor was erected in the central portion of the site away from canyon walls and obstructions, at an approximate elevation of 1300 feet above mean sea level.

# 4.2 Instantaneous Surface Emission Monitoring Results

Monitoring measurements obtained during the months of April, May, and June exceeded 500 ppm as methane in Grids 37, 105, 115, 112, 23, 24, 59, 37, 131, 127, 124, 123, 118, 104, 5, and 22. Grids with surface emissions exceeding 500 ppm are shown in Table 4-2. All other grids were below 500 ppm TOC as methane.

Recorded concentrations of TOC as methane ranged from 0.0 to 99,995.0 ppm above background. In accordance with SCAQMD Rule 1150.1 regarding detecting TOC concentrations exceeding 500 ppmv, each of these grids were re-sampled within 10 calendar days of the original detection. A summary of the grids that were re-monitored due to TOC readings above 500 ppmv is presented in Table 4-2. Field data sheets are presented in Appendix D. Figures 1, 2, and 3 show grids where surface emissions exceeded 500 ppm TOC as methane during instantaneous monitoring. During the period of instantaneous monitoring, the wind speed average was below 5 miles per hour and the instantaneous wind speed was below 10 miles per hour.

|   |       | Table 4-1            |  |  |  |  |  |  |  |  |
|---|-------|----------------------|--|--|--|--|--|--|--|--|
| Instantaneous Emission Monitoring Results |       |                      |  |  |  |  |  |  |  |  |
| Monitoring Date                           | Grid# | TOC as Methane (ppm) | Re-monitored<br>Reading TOC<br>as methane<br>(ppm) | Second Re-monitored Reading TOC as methane (ppm) |  |  |  |  |  |  |
| 4/22/04                                   | 105   | 2,000                | 105  | n/a  |  |  |  |  |  |  |
| 4/22/04                                   | 115   | 3,000                | 115  | n/a  |  |  |  |  |  |  |
| 4/22/04                                   | 37    | 500                  | 37   | n/a  |  |  |  |  |  |  |
| 5/26/04                                   | 112   | 100,000              | 2,000  | 350  |  |  |  |  |  |  |
| 5/26/04                                   | 23    | 10,000               | 200  | n/a  |  |  |  |  |  |  |
| 5/26/04                                   | 24    | 10,000               | 200  | n/a  |  |  |  |  |  |  |
| 5/26/04                                   | 37    | 1,000                | 1,500  | 200  |  |  |  |  |  |  |
| 6/17/04                                   | 104   | 1,000                | 300  | n/a  |  |  |  |  |  |  |
| 6/17/04                                   | 112   | 10,000               | 300  | n/a  |  |  |  |  |  |  |
| 6/17/04                                   | 118   | 1,000                | 200  | n/a  |  |  |  |  |  |  |

| Table 4-1 Instantaneous Emission Monitoring Results |     |         |     |     |  |  |  |  |  |
|---|-----|---------|-----|-----|--|--|--|--|--|
| 6/17/04   | 123 | 30,000  | 5   | n/a |  |  |  |  |  |
| 6/17/04   | 124 | 100,000 | 5   | n/a |  |  |  |  |  |
| 6/17/04   | 127 | 100,000 | 20  | n/a |  |  |  |  |  |
| 6/17/04   | 131 | 100,000 | 5   | n/a |  |  |  |  |  |
| 6/17/04   | 22  | 20,000  | 200 | n/a |  |  |  |  |  |
| 6/17/04   | 5   | 500     | 30  | n/a |  |  |  |  |  |

#### Table 4-2

# Instantaneous Surface Sampling, Field Summary (Remonitored Grids)

Bradley Landfill and Recycling Center Sun Valley, California

INSTRUMENT

OVA 128/88

DATE OF SAMPLING: April, May, June 2004 TECHNICIAN: RES

| LOCATION OF LEAK       | LEAK CONCENTRATION (ppmv) | DATE OF<br>DISCOVERY | ACTION TAKEN TO REPAIR<br>LEAK | DATE OF<br>REPAIR | DATE OF ANY<br>REQUIRED RE-<br>MONITORING | RE-MONITORED<br>CONCENTRATION          |  |  |
|------------------------|---------------------------|----------------------|--------------------------------|-------------------|---|--|--|--|
| Grid 105               | 2,000                     | 4/22/2004            | Repair Cover & Tune System     | 4/22/2004         | 4/29/2004                                 | (ppmv)                                 |  |  |
| Grid 115               | 3.000                     | 4/22/2004            | Repair Cover & Tune System     | 4/22/2004         | 4/29/2004                                 | 5                                      |  |  |
| Grid 37                | 500                       | 4/22/2004            | Repair Cover & Tune System     | 4/22/2004         | 4/27/2004                                 | 5                                      |  |  |
| Grid 58                | Not Sampled               | 4/22/2004            | Tropul Cover & Tuite Cystem    |                   | 5   |  |  |  |
| Grid 59                | Not Sampled               | 4/22/2004            | Active Dumping Active Dumping  |                   |   |  |  |  |
| Grid 65                | Not Sampled               | 4/22/2004            |                                | Active Dum        |   |  |  |  |
| Grid 66                | Not Sampled               | 4/22/2004            |                                | Active Dum        |   | ·····                                  |  |  |
| Grid 68                | Not Sampled               | 4/22/2004            |                                | Active Dum        |   |  |  |  |
| Grid 72                | Not Sampled               | 4/22/2004            |                                | Active Dum        |   |  |  |  |
| Grid 73                | Not Sampled               | 4/22/2004            |                                | Active Dum        | oing                                      |  |  |  |
| Grid 112               | 100,000                   | 5/26/2004            | Repair Cover & Tune System     | 5/26/2004         | 6/3/2004                                  | 2,000                                  |  |  |
| Grid 23                | 10,000                    | 5/26/2004            | Repair Cover                   | 5/26/2004         | 6/3/2004                                  | 200                                    |  |  |
| Grid 24                | 10,000                    | 5/26/2004            | Repair Cover                   | 5/26/2004         | 6/3/2004                                  | 200                                    |  |  |
| Grid 37                | 1,000                     | 5/26/2004            | Adjusted Well                  | 5/26/2004         | 6/3/2004                                  | 1,500                                  |  |  |
| Grid 50                | Not Sampled               | 5/26/2004            | Active Dumping                 |                   |   |  |  |  |
| Grid 53                | Not Sampled               | 5/26/2004            |                                | Active Dum        |   |  |  |  |
| Grid 57                | Not Sampled               | 5/26/2004            |                                | Active Dum        |   | ······································ |  |  |
| Grid 59                | 500                       | 5/26/2004            | Adjusted Well                  | 5/26/2004         | 6/3/2004                                  | 3                                      |  |  |
| Grid 64                | Not Sampled               | 5/26/2004            |                                | Active Dump       | 0/0/2004<br>ning                          | <u> </u>                               |  |  |
| Grid 67                | Not Sampled               | 5/26/2004            | W-11                           | Active Dump       |   | ************************************** |  |  |
| Grid 71                | Not Sampled               | 5/26/2004            |                                | Active Dump       |   |  |  |  |
| Grid 112 3rd Remonitor | 2,000                     | 6/3/2004             | Repaired Cover                 | 6/3/2004          | 6/11/2004                                 | 350                                    |  |  |
| Grid 37 3rd Remonitor  | 1,500                     | 6/3/2004             | Adjusted Well                  | 6/3/2004          | 6/11/2004                                 | 200                                    |  |  |
| Grid 104               | 1,000                     | 6/17/2004            | Repair Cover & Tune System     | 6/17/2004         | 6/25/2004                                 | 300                                    |  |  |
| Grid 112               | 10,000                    | 6/17/2004            | Repair Cover & Tune System     | 6/17/2004         | 6/25/2004                                 | 300                                    |  |  |
| Grid 118               | 1,000                     | 6/17/2004            | Repair Cover & Tune System     | 6/17/2004         | 6/25/2004                                 | 200                                    |  |  |
| Grid 123               | 30,000                    | 6/17/2004            | Repair Cover & Tune System     | 6/17/2004         | 6/25/2004                                 | 5                                      |  |  |
| Grid 124               | 100,000                   | 6/17/2004            | Repair Cover & Tune System     | 6/17/2004         | 6/25/2004                                 | 5                                      |  |  |
| Grid 127               | 100,000                   | 6/17/2004            | Repair Cover & Tune System     | 6/17/2004         | 6/25/2004                                 | 20                                     |  |  |
| Grid 131               | 100,000                   | 6/17/2004            | Repair Cover & Tune System     | 6/17/2004         | 6/25/2004                                 | 5                                      |  |  |
| Grid 22                | 20,000                    | 6/17/2004            | Repair Cover & Tune System     | 6/17/2004         | 6/25/2004                                 | 200                                    |  |  |
| Grid 46                | Not Sampled               | 6/17/2004            |                                |                   |   |  |  |  |
| Grid 48                | Not Sampled               | 6/17/2004            |                                | Active Dump       |   |  |  |  |
| Grid 5                 | 500                       | 6/17/2004            | Repair Cover & Tune System     | 6/17/2004         | 6/25/2004                                 | 30                                     |  |  |
| Grid 51                | Not Sampled               | 6/17/2004            |                                | Active Dump       |   |  |  |  |
| Grid 54                | Not Sampled               | 6/17/2004            | <u> </u>                       | Active Dump       |   |  |  |  |

# 5 LANDFILL GAS SAMPLING §1150.1(e)4

#### **Landfill Gas characterization Protocol**

A total of four landfill gas samples were collected from the compressor inlet and from the three (3) landfill gas flares on May 27, 2004 respectively. A portable pump was used to draw the landfill gas sample into a 10-liter Tedlar Bag enclosed in a light sealed box. The landfill gas sample was collected over a continuous ten-minute period.

#### 5.2 Landfill Gas Sample Laboratory Results

Samples BL-001 (Gas Plant), BL-002 (Flare #3), BL-003 (Flare #1), and BL-004 (Flare #2) were taken to AtmAA, Inc. on May 27, 2004. The gas samples were analyzed for toxic air contaminants, TGNMOs, fixed gases, and hydrogen sulfide. Tables 5-2, Landfill Gas Sample Laboratory Summary, gives the laboratory methods and results for these constituents. Appendix E, Landfill Gas Sampling includes the laboratory report prepared by AtmAA, Inc.

Laboratory analysis of samples BL-001, BL-002, BL-003, and BL-004 detected concentrations of the following compounds: benzene, chlorobenzene, dichlorobenzenes, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethylene, dichloromethane, perchloroethylene. trichloroehene, vinyl chloride, m,p-xylenes, and o-xylene.

Laboratory results for samples collected from the gas plant and each flare are presented in Appendix E.

#### 5.3 SCAQMD Rule 431. Sulfur Monitoring

Sulfur content of the landfill gas (as H2S) leaving the facility is monitored daily, except for weekends and holidays as required by PTO No. R-D229242 A/N 201385, Part 5. The gas compressor did exceed 100 ppm H<sub>2</sub>S during the quarter using colorimetric tubes. There was one reading during the quarter of 120 ppm H<sub>2</sub>S on 4/14/04, however based on prior readings taken the day before and day after the detected concentration appears to be an anomaly. Excluding the 120 ppm reading taken on 4/14/04 the maximum reading during the quarter was 61 ppm H<sub>2</sub>S. See Table 5-3 for Quarterly H<sub>2</sub>S Monitoring Results. An H<sub>2</sub>S reading was not taken on 5/3/04 because H<sub>2</sub>S tubes were not available.

| Table 5-1 Landfill Gas Summary of Results |                    |                 |                  |                  |  |  |  |  |  |
|---|--------------------|-----------------|------------------|------------------|--|--|--|--|--|
| Components                                | Gas Plant (BL-001) | Flare 1 (BL004) | Flare 2 (BL-003) | Flare 3 (BL-002) |  |  |  |  |  |
| TGNMO                                     | 11,200 ppmv        | 8,050 ppmv      | 2,750 ppmv       | 4,950 ppmv       |  |  |  |  |  |
| Hydrogen Sulfide                          | 59.9 ppmv          | 56.0 ppmv       | 40.2 ppmv        | 16.8 ppmv        |  |  |  |  |  |
| Methane                                   | 39.6%              | 40.6%           | 31.3%            | 28.4%            |  |  |  |  |  |

# Table 5-2

Landfill Gas Sample - Laboratory Summary
Bradley Landfill & Recycling Center (BLRC)
May 27, 2004

|   | Gas Plant        | Flare #1         | Flare #2         | Flare #3         | Reporting       |
|---|------------------|------------------|------------------|------------------|-----------------|
| Compound                                | BL-001<br>(ppbV) | BL-004<br>(ppbV) | BL-003<br>(ppbV) | BL-002<br>(ppbV) | Limit<br>(ppbV) |
| Benzene                                 | 6,590            | 3,870            | 1,520            | 6,130            | <20             |
| Benzyl Chloride                         | <40              | <40              | <40              | <40              | <40             |
| Carbon Tetrachloride                    | <30              | <30              | <30              | <30              | <30             |
| Chlorobenzene                           | 190              | 129              | 118              | 114              | <30             |
| Chloroform                              | <20              | <20              | <20              | <20              | <20             |
| 1,1-Dichloroethane                      | 350              | 433              | 87.8             | 131              | <20             |
| 1,1-Dichloroethylene                    | 74.9             | 75.3             | <30              | 48.1             | <30             |
| Dichloromethane                         | 1,900            | 2,230            | 118              | 276              | <30             |
| 1,2-Dibromoethane                       | <30              | <30              | <30              | <30              | <30             |
| Dichlorobenzenes <sup>(1)</sup>         | 2,160            | 78.7             | 60.5             | 33.5             | <30             |
| 1,2-Dichloroethane                      | 90.6             | 75.4             | <20              | 40.9             | <20             |
| Trichloroethene                         | 1,080            | 911              | 207              | 447              | <20             |
| Perchloroethene                         | 2,900            | 2,000            | 720              | 1,040            | <20             |
| Toluene                                 | 51,000           | 30,900           | 6,450            | 22,800           | <20             |
| 1,1,1-trichoroethane                    | <20              | <20              | <20              | <20              | <20             |
| Total Xylenes*                          | 31,340           | 13,360           | 7,990            | 9,920            | . <20           |
| Vinyl Chloride                          | 220              | 300              | 864              | 386              | <20             |
| Compound                                | (ppmV)           | (ppmV)           | (ppmV)           | (ppmV)           | (ppmV)          |
| Total Non-Methane Organics (as Methane) | 11,200           | 8,050            | 2,750            | 4,950            | <20             |
| Hydrogen sulfide                        | 59.9             | 56.0             | 40.2             | 16.8             | <0.5            |
| Carbonyl sulfide                        | 0.28             | 0.34             | 0.12             | 0.14             | <0.5            |
| Methyl mercaptan                        | 3.52             | 3.81             | 0.37             | 1.41             | < 0.06          |
| Ethyl mercaptan                         | <0.1             | <0.1             | 0.11             | <0.1             | <0.12           |
| Dimethyl sulfide                        | 7.29             | 7.09             | 0.85             | 5.61             | <0.1            |
| Carbon disulfide                        | 0.24             | 0.17             | 0.13             | 0.12             | <0.09           |
| sopropyl mercaptan                      | 0.35             | 0.37             | < 0.06           | 0.068            | <0.06           |
| n-propyl mercaptan                      | <0.06            | <0.06            | <0.06            | <0.06            | <0.06           |
| Dimethyl disulfide                      | 0.26             | 0.14             | 0.12             | 0.28             | < 0.06          |
| Fotal reduced sulfur                    | 72.3             | 68.2             | 42.2             | 24.8             | <0.5            |
| STU/fl.3                                | 409              | 417              | 318              | 291              | <1              |

# Table 5-2 (Continued) Landfill Gas Sample - Laboratory Summary

Bradley Landfill & Recycling Center (BLRC)
May 27, 2004

| Compound       | Gas Plant<br>BL-001<br>(%,V) | Flare #1<br>BL-004<br>(%,V) | Flare #2<br>BL-003<br>(%,V) | Flare #3<br>BL-002<br>(%,V) | Reporting<br>Limit<br>(%,V) |
|----------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Nitrogen       | 21.4                         | 20.4                        | 36.4                        | 39.0                        | 0.1                         |
| Oxygen         | 1.40                         | 1.10                        | 2.56                        | 4.35                        | 0.1                         |
| Methane        | 39.6                         | 40.6                        | 31.3                        | 28.4                        | 0.1                         |
| Carbon dioxide | 35.8                         | 36.0                        | 28.4                        | 26.4                        | 0.1                         |

ND: Not detected.

The reported oxygen concentration includes any argon present in the sample. Calibration is based on a standard atmosphere containing 20.95% oxygen and 0.93% argon.

(1) Total amount containing meta, para, and ortho isomers.

<sup>\*</sup>Total xylenes reported includes the sum of the detected concentrations of m-& p-xylenes and o-xylenes.

<sup>\*\* =</sup> Coeluting Compounds

#### Table 5-3 Quarterly H₂S Monitoring Results

Bradley Landfill, Sun Valley, California

|           |      |         | PLANT GAS          | FLARE    | FLARE    | FLARE    |
|-----------|------|---------|--------------------|----------|----------|----------|
| DATE      | TIME | TEMP    | SALES              | 1        | 2        | 3        |
| 4/1/2004  | 1500 | 61      | 56                 |          |          |          |
| 4/2/2004  | 1600 | 61      | 56                 |          | Monthly  |          |
| 4/3/2004  | *    | *       | *                  |          | Sampling |          |
| 4/4/2004  | *    | *       | *                  |          |          |          |
| 4/5/2004  | 1115 | 64      | 51 (Lab)           | 50 (Lab) | 29 (Lab) | 14 (Lab) |
| 4/6/2004  | 0635 | 50      |                    |          |          |          |
| 4/7/2004  | 1537 | 72      | 51                 |          |          |          |
| 4/8/2004  | 1600 | 70      | 56                 |          |          |          |
| 4/9/2004  | 1419 | 79      | 41                 |          |          |          |
| 4/10/2004 | *    | *       | *                  |          |          |          |
| 4/11/2004 | *    | *       | *                  |          |          |          |
| 4/12/2004 | 1053 | 67      | 53                 |          |          |          |
| 4/13/2004 | 1305 | 75      | 51                 |          |          |          |
| 4/14/2004 | 1610 | 75      | 120 <sup>(1)</sup> |          |          |          |
| 4/15/2004 | 0847 | 64      | 45                 |          |          |          |
| 4/16/2004 | 1024 | 60      | 50                 |          |          |          |
| 4/17/2004 | *    | *       | *                  |          |          |          |
| 4/18/2004 | *    | *       | *                  |          |          |          |
| 4/19/2004 | 1240 | 76      | 55                 | •        |          |          |
| 4/20/2004 | 1300 | 78      | 52                 |          |          |          |
| 4/21/2004 | 1220 | 72      | 60                 |          |          |          |
| 4/22/2004 | 1226 | 76      | 54                 |          |          |          |
| 4/23/2004 | 0655 | 62      | 45                 |          |          | 1        |
| 4/24/2004 | *    | *       | *                  |          |          |          |
| 4/25/2004 | *    | *       | *                  |          |          |          |
| 4/26/2004 | 1430 | 100     | 58                 |          |          |          |
| 4/27/2004 | 0900 | 82      | 54                 |          |          |          |
| 4/28/2004 | 0910 | 77      | 53                 |          | Monthly  |          |
| 4/29/2004 | 0830 | 58      | 62                 |          | Sampling |          |
| 4/30/2004 | 0810 | 70      | 56                 |          |          |          |
| 05/01/04  | *    | *       | *                  |          |          |          |
| 05/02/04  | *    | *       | *                  |          |          |          |
| 05/03/04  | 1000 | 99      | **                 |          |          |          |
| 05/04/04  | 1730 | 94      | 61                 |          |          |          |
| 05/05/04  | 1325 | 87      | 58                 |          |          |          |
| 05/06/04  | 1030 | 88      | 58                 |          |          |          |
| 05/07/04  | 1710 | 87      | 56                 |          |          |          |
| 05/08/04  | *    | *       | *                  |          |          |          |
| 05/09/04  | *    | *       | *                  |          |          |          |
| 05/10/04  | 1100 | 73      | 58                 |          |          |          |
| 05/11/04  | 1610 | 78      | 55                 |          |          |          |
| 05/12/04  | 0945 | 76      | 60                 |          |          |          |
| 05/13/04  | 0947 | 79      | 50                 |          |          |          |
| 05/14/04  | 1252 | 89<br>* | 55                 |          |          |          |
| 05/15/04  | *    | *       | *                  |          |          |          |
| 05/16/04  |      |         | *                  |          |          |          |
| 05/17/04  | 0945 | 63      | 44                 |          |          |          |
| 05/18/04  | 1500 | 81      | 48                 |          |          |          |
| 05/19/04  | 1250 | 77      | 46                 |          |          |          |
| 05/20/04  | 0950 | 77      | 49                 |          |          |          |
| 05/21/04  | 0720 | 56      | 54                 |          |          |          |

# Table 5-3 Quarterly H<sub>2</sub>S Monitoring Results

Bradley Landfill, Sun Valley, California

| <u> </u>             | 1  | <del></del> | LDLANT OAG         | . FLADE    | 1          | · · · · · · · · · · · · · · · · · · · |
|----------------------|--|-------------|--------------------|------------|------------|---------------------------------------|
| DATE                 | TIME   | TEMP        | PLANT GAS<br>SALES | FLARE<br>1 | FLARE<br>2 | FLARE<br>3                            |
| 05/22/04             | *  | *           | *                  |            |            |                                       |
| 05/23/04             | *  | *           | *                  | 1          |            |                                       |
| 05/24/04             | 1056   | 68          | 58                 | 1          | Monthly    |                                       |
| 05/25/04             | 1525   | 74          | 52                 | ]          | Sampling   |                                       |
| 05/26/04             | 1445   | 79          | 59                 |            |            |                                       |
| 05/27/04             | 1420   | 76          | 58/59.9(Lab)       | 16.8 (Lab) | 40.2 (Lab) | 56 (Lab)                              |
| 05/28/04<br>05/29/04 | 1510   | 75          | 56                 |            |            |                                       |
| 05/30/04             | <del>                                     </del> | +           | 1                  |            |            |                                       |
| 05/31/04             | *  | *           | *                  |            |            |                                       |
| 06/01/04             | 1340   | 92          | 60                 |            |            |                                       |
| 06/02/04             | 1120   | 89          | 55                 |            |            |                                       |
| 06/03/04             | 1515   | 94          | 55                 | :          |            |                                       |
| 06/04/04             | 1500   | 91          | 58                 |            |            |                                       |
| 06/05/04             | *  | *           | *                  |            |            |                                       |
| 06/05/04             | *  | *           | *                  |            |            |                                       |
| 06/07/04             |  | ļ           |                    |            |            |                                       |
|                      | 0753   | 62          | 55                 |            |            |                                       |
| 06/08/04             | 1400   | 76          | 58                 |            |            |                                       |
| 06/09/04             | 0730   | 59          | 56                 | Monthly    |            |                                       |
| 06/10/04             | 1420   | 86          | 52                 | Sampling   |            |                                       |
| 06/11/04             | 1400   | 87          | 56                 |            |            |                                       |
| 06/12/04             | *  | *           | *                  |            |            |                                       |
| 06/13/04             | *  | *           | *                  |            |            |                                       |
| 06/14/04             | 1550   | 87          | 58                 |            |            |                                       |
| 06/15/04             | 1420   | 84          | 56                 |            |            |                                       |
| 06/16/04             | 1730   | 66          | 55                 |            |            |                                       |
| 06/17/04             | 0700   | 60          | 58                 |            |            |                                       |
| 06/18/04             | 1857   | 68          | 56                 |            |            |                                       |
| 06/19/04             | *  | *           | *                  |            |            |                                       |
| 06/20/04             | *  | *           | *                  |            |            |                                       |
| 06/21/04             |  |             | 55                 |            |            |                                       |
| 06/22/04             | 2000   | 48          | 48                 |            |            |                                       |
| 06/23/04             | 0625   | 55          | 55/60 Lab          | 49.7 (Lab) | 38.4 (Lab) | 24.4 (Lab)                            |
| 06/24/04             | 0710   | 50          | 50                 | (200/      | 00 (Lub)   | Z-11-1 (LGD)                          |
| 06/25/04             | 0740   | 50          | 50                 |            |            |                                       |
| 06/26/04             | *  | *           | *                  |            |            |                                       |
| 06/27/04             | *  | *           | *                  |            | Monthly    |                                       |
| 06/28/04             | 1159   | 74          | 53                 |            | Sampling   |                                       |
| 06/29/04             | 1215   | 76          | 58                 |            |            |                                       |
| 06/30/04             | 0730   | 53          | 58                 |            |            |                                       |
| = Data not           |  |             | 56                 |            |            |                                       |

<sup>--=</sup> Data not collected due to plant operator out

<sup>\* =</sup> Data not collected on weekends and holidays

<sup>\*\* =</sup> Not Collected, No H2S tubes available

<sup>(1)</sup> High concentration appears to be an anomoly

# 6 AMBIENT AIR SAMPLING§1150.1(e)5

## 6.1 Ambient Air Sampling Protocol

Second Quarter, 2004, ambient air sampling was performed on April 30, 2004. Protocols were followed pursuant to SCAQMD Rule 1150.1, Attachment A.

Four ambient air samplers were used to collect upwind (south) and downwind (north) samples. Two ambient air samplers were placed upwind at the landfill property boundary and two downwind at the landfill property boundary. Figure 1, Surface Emissions Monitoring Site Plan, shows the ambient air sample locations.

The ambient air sampling program was designed in accordance with the Guidelines for Implementation of Rule 1150.1 and the compliance plan requirements issued by the SCAQMD. All procedures and equipment used in the program are consistent with guideline specifications.

The Landfill compliance plan requires the collection of four (4) 12-hour samples located at the landfill perimeter. These 12-hour samples (two each) are representative of the predominant upslope and down slope wind flow patterns during each 12-hour time periods. These locations were selected based upon evaluation of current and historic wind monitoring data collected on site. Sampling stations are positioned to provide good meteorological exposure to the predominant up slope flows and anticipated nighttime local air drainage patterns typically encountered at this site.

Ambient air samplers used at the Landfill were constructed, installed, and operated to meet SCAQMD design criteria and performance specifications published in the Rule 1150.1 guidelines. Light-sealed boxes containing individual 10-liter Tedlar sample bags were housed within each sampling station enclosure. Analyses were performed within 72 hours after sampling was concluded

A portable wind speed and direction station manufactured by Climatronics was used. A continuous recorder connected to the wind station was used to record wind speed and direction for the entire duration of integrated sampling. Section 7, Field Instrumentation and Equipment Specifications, describes both the ambient air sampler assembly and the wind station in greater detail. Tedlar bags used for collecting the 24-hour integrated samples were purged three times with nitrogen and tested for leaks prior to usage.

Appendix G, Tedlar Bag Quality Assurance and Control, includes a Tedlar bag checklist that summarizes pertinent data regarding this procedure

The four samples were sent to AtmAA, Inc., for analysis of toxic air contaminants, methane, and TGNMOs. Technicians responsible for transporting the integrated samples recorded pertinent information on a Chain-of-Custody form included in Appendix F, Ambient Air Sampling. Additional personnel receiving the integrated samples recorded their signatures on the Chain-of-Custody form.

Ambient air samples were collected when the average wind speed was five miles per hour or less, and the instantaneous wind speed was less than fifteen miles per hour. The samples were not collected within 72 hours of a rainstorm. Wind speed and direction charts are included in Appendix F.

# 6.2 Ambient Air Laboratory Results

Upwind ambient air samples (AA-1, AA-4) and downwind ambient air samples (AA-2, AA-3) were sent to AtmAA, Inc. on May 4, 2004 for analysis. Table 6-1, Ambient Air Samples Laboratory Summary, summarizes the laboratory methods and results.

#### **Upwind Samples**

Laboratory analysis of sample AA-1 (Lab Sample 01254-5) detected a TGNMO concentration of 2.68 ppmV. The methane concentration was 1.84 ppmV. Laboratory analysis of sample AA-4 (Lab Sample 01254-8) detected a TGNMO concentration of 2.33 ppmV. The toluene concentration was 8.46 ppbV and the methane concentration was 2.00 ppmV. The presence of methane in upwind samples is likely due to periodic wind shifts during sample collection.

#### **Downwind Samples**

Laboratory analysis of sample AA-2 (Lab Sample 01254-6) detected toluene at a concentration of 1.51 ppbV. The TGNMO and methane concentrations were 2.37 and 2.02 ppmV, respectively. Laboratory analysis of sample AA-3 (Lab Sample 01254-7) detected a TGNMO concentration of 1.48 ppmV. The methane concentration was 1.93 ppmV.

# Table 6-1

Ambient Air Sampling Laboratory Summary
Bradley Landfill & Recycling Center (BLRC)
April 30, 2004

| Compound                                   | Sample Ambient Air<br>AA-1<br>Results (ppbV) | Sample Ambient Air<br>AA-2<br>Results (ppbV) | Reporting Limit<br>(ppbV) |  |
|--|--|--|---------------------------|--|
| Hydrogen Sulfide                           | <50  | <50  | 50                        |  |
| Benzene                                    | 0.23   | 0.32   | 1.6                       |  |
| Benzyl Chloride                            | <0.4   | <04  | 0.97                      |  |
| Carbon Tetrachloride                       | 0.11   | 0.11   | 0.8                       |  |
| Chlorobenzene                              | <0.1   | <0.1   | 1.1                       |  |
| Chloroform                                 | <0.1   | <0.1   | 1.0                       |  |
| 1,1-Dichloroethane                         | <0.1   | <0.1   | 1.2                       |  |
| 1,1-Dichloroethylene                       | <0.1   | <0.1   | 1.3                       |  |
| 1,2-Dibromoethane                          | <0.1   | <0.1   | 0.65                      |  |
| Dichlorobenzene <sup>(1)</sup>             | <1.1   | <1.1   | 0.83                      |  |
| Dichloromethane                            | 0.14   | 0.13   | <0.1                      |  |
| 1,2-Dichloroethane                         | <0.1   | <0.1   | 1.2                       |  |
| 1,1,1-Trichloroethane                      | <0.1   | <0.1   | 0.92                      |  |
| Perchloroethene                            | <0.1   | <0.1   | <0.1                      |  |
| Toluene                                    | 1.58   | 1.51   | 1.3                       |  |
| Total Xylenes*                             | 0.73   | 0.67   | 1.2                       |  |
| Trichloroethene                            | 0.10   | 0.11   | 0.93                      |  |
| Vinyl Chloride                             | <0.1   | <0.1   | 2.0                       |  |
| SCAQMD Rule 1150.1 C                       | omponents Analysis in Amb                    | ient Air Tedlar Bag Samples                  |                           |  |
| Compound                                   | Sample Ambient Air<br>AA-1<br>Results (ppbV) | Sample Ambient Air<br>AA-2<br>Results (ppbV) | Reporting Limit<br>(ppmV) |  |
| Methane                                    | 1.84   | 2.02   | 0.5                       |  |
| Total Non-Methane<br>Organics (as methane) | 2.68   | 2.37   | 1.0                       |  |

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# Table 6-1 (Continued) Ambient Air Sampling Laboratory Summary Bradley Landfill & Recycling Center (BLRC) April 30, 2004

| Compound                                   | Sample Ambient Air                           | Sample Ambient Air                           | Reporting Limit<br>(ppbV) |  |
|--|--|--|---------------------------|--|
| Compound                                   | AA-3<br>Results (ppbV)                       | AA-4<br>Results (ppbV)                       |                           |  |
| Hydrogen Sulfide                           | <50  | <50  | 50                        |  |
| Benzene                                    | 0.24   | 0.87   | 1.6                       |  |
| Benzyl Chloride                            | <0.4   | <04  | 0.97                      |  |
| Carbon Tetrachloride                       | 0.11   | 0.12   | 0.8                       |  |
| Chlorobenzene                              | <0.1   | <0.1   | 1.1                       |  |
| Chloroform                                 | <0.1   | <0.1   | 1.0                       |  |
| I,1-Dichloroethane                         | <0.1   | <0.1   | 1.2                       |  |
| 1,1-Dichloroethylene                       | <0.1   | <0.1   | 1.3                       |  |
| 1,2-Dibromoethane                          | <0.1   | <0.1   | 0.65                      |  |
| Dichlorobenzene <sup>(1)</sup>             | <1.1   | <1.1   | 0.83                      |  |
| Dichloromethane                            | 0.14   | 0.13   | <0.1                      |  |
| 1,2-Dichloroethane                         | <0.1   | <0.1   | 1.2                       |  |
| 1,1,1-Trichloroethane                      | <0.1   | 0.12   | 0.92                      |  |
| Perchloroethene                            | <0.1   | <0.1   | <0.1                      |  |
| Toluene                                    | 1.18   | 8.46   | 1.3                       |  |
| Total Xylenes*                             | 0.70   | 3.57   | 1.2                       |  |
| Trichloroethene                            | <0.1   | <0.1   | 0.93                      |  |
| Vinyl Chloride                             | <0.1   | <0.1   | 2.0                       |  |
| SCAQMD Rule 1150.1 Co                      | omponents Analysis in Amb                    | ient Air Tedlar Bag Samples                  |                           |  |
| Compound                                   | Sample Ambient Air<br>AA-3<br>Results (ppbV) | Sample Ambient Air<br>AA-4<br>Results (ppbV) | Reporting Limit<br>(ppbV) |  |
| Methane                                    | 1.93   | 2.00   | 0.5                       |  |
| Total Non-Methane<br>Organics (as methane) | 1.48   | 2.33   | 1.0                       |  |

### 7 FIELD INSTRUMENTATION AND EQUIPMENT **SPECIFICATIONS**

### **Meteorological Station**

The portable meteorological station used for measuring wind speed and direction during instantaneous and integrated surface sampling, and ambient air monitoring is manufactured by Climatronics. This monitor collects continuous wind data during all monitoring events. The wind system consists of a Climatronics, equipped with F460 wind sensors with threshold speeds of 0.50 miles per hour and a protable dual channel recording strip chart.

A continuous recorder and battery is housed in a portable steel case to prevent damage to the system. The continuous recorder averages wind speed and direction measurements on a 15-minute increments. Measurements are recorded on a strip chart paper. The date, time, and wind speed and direction measurements are recorded daily after each instantaneous or integrated sampling session is completed.

A supervisor monitored the wind speed during instantaneous and integrated sampling sessions so that technicians are continuously aware of the wind speed when walking traverses or grid patterns.

### 7.2 Organic Vapor Analyzer

A portable Organic Vapor Analyzer (OVA) manufactured by Foxboro was used for monitoring the surface emission concentration of total organic compounds (TOCs) during instantaneous monitoring, and for measuring TOC concentrations in integrated surface samples and perimeter probes (ppm range). The OVA used had the minimum specifications:

- Range: 0-10,000 ppm (v/v)
- Minimum detectable limit: 5 ppm
- Response time: 15 seconds
- Flame out indicator: audible and visual
- Accuracy: +/-4% Precision: +/-3%

Ambient temperature: 0-50 degrees Celsius

### 7.3 GEM-500 Gas Extraction Monitor

A GEM-500 Gas Extraction Monitor, manufactured by LANDTEC, for use on landfills to monitor landfill gas was used for monitoring landfill gas composition. measured include methane, carbon dioxide, oxygen, and balance gas as nitrogen in percent volume and methane as percent of LEL.

The GEM-500 Specifications are as follows:

|             |                            | Sensor Range<br>Imperial  | Resolution<br>Imperial |
|-------------|----------------------------|---------------------------|------------------------|
| Methane - C | H <sub>4</sub> :           | 0-100%                    | 0.1%                   |
| Carbon diox | ide – CO <sub>2</sub> :    | 0-75%                     | 0.1%                   |
| Oxygen - O  | <b>:</b>                   | 0-100%                    | 0.1%                   |
|             | differential):<br>static): | 0-10" w.c.<br>0-100" w.c. | 0.01" w.c.<br>0.1"w.c. |

#### GEM-500 Typical Accuracy:

| Concentration | %CH₄ by Volume | %CO <sub>2</sub> by Volume | %O <sub>2</sub> by Volume |
|---------------|----------------|----------------------------|---------------------------|
| 5% LEL        | +/- 0.3%       | N/A                        | +/25%                     |
| 75%           | +/- 1.9%       | +/- 3.0%                   | N/A                       |
| 100%          | +/- 1.95%      | N/A                        | N/A                       |

## 7.4 GEM-2000 Gas Extraction Monitor

A GEM-2000 Gas Extraction Monitor, manufactured by LANDTEC, for use on landfills to monitor landfill gas was used for monitoring landfill gas composition. Compounds measured include methane, carbon dioxide, oxygen, and balance gas as nitrogen in percent volume and methane as percent of LEL.

The GEM-2000 Specifications are as follows:

|                                    | Sensor Range<br>Imperial  | Resolution<br>Imperial |
|------------------------------------|---------------------------|------------------------|
| Methane - CH <sub>4</sub> :        | 0-100%                    | 0.1%                   |
| Carbon dioxide – CO <sub>2</sub> : | 0-100%                    | 0.1%                   |
| Oxygen – O <sub>2</sub> :          | 0-25%                     | 0.1%                   |
| Pressure (differential): (static): | 0-10" w.c.<br>0-100" w.c. | 0.01" w.c.<br>0.1"w.c. |

### GEM-2000 Typical Accuracy:

| Concentration | %CH <sub>4</sub> by Volume | %CO <sub>2</sub> by Volume | %O <sub>2</sub> by Volume |
|---------------|----------------------------|----------------------------|---------------------------|
| 0-5%          | +/- 0.5%                   | +/- 0.5%                   | +/25%                     |
| 5-15%         | +/- 1%                     | +/- 1%                     | N/A                       |
| 15%-FS        | +/- 3%                     | N/A                        | N/A                       |

# 7.5 Integrated Surface Sampler

Each portable Integrated Sampler is comprised of a Tedlar bag, DC pump, and a calibrated flow controller. Each bag sampler is calibrated by a film (bubble meter) calibration method. Each Tedlar bag sample was purged three times with ultra-pure nitrogen before sampling and enclosed in a light-sealed box after sampling. Analyses were performed within 72 hours after sampling was conducted.

### 7.6 Tedlar Bags

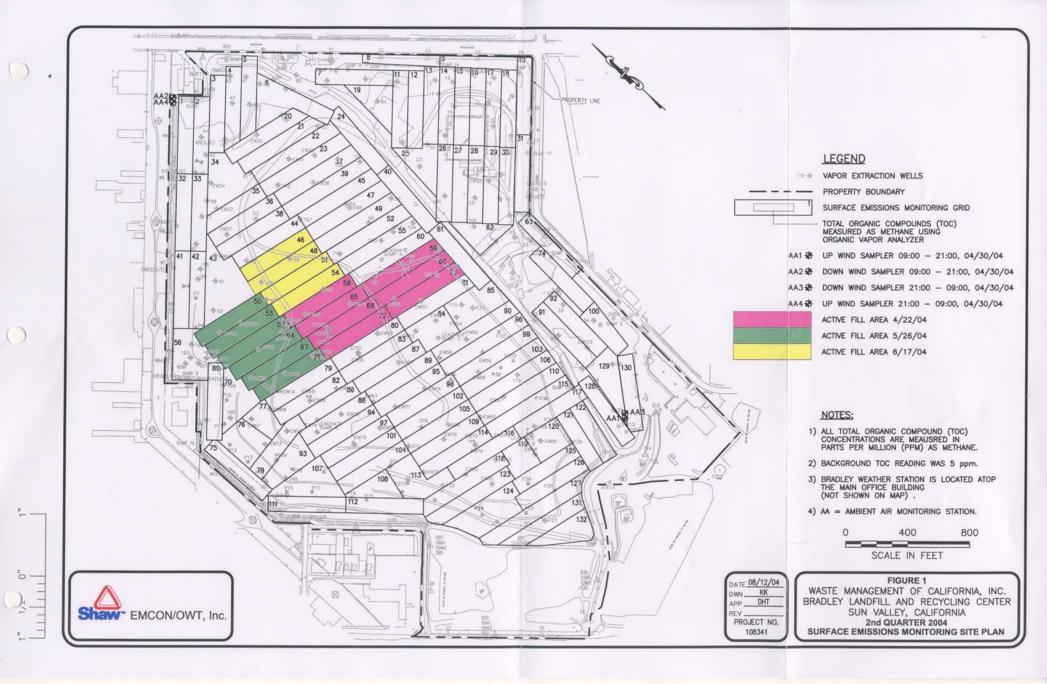
Ten-liter bags, made of Tedlar material, were used to collect integrated samples, and for the collection of the raw gas sample at the main gas conveyance line. Each Tedlar bag, prior to use, is filled with nitrogen for a minimum of 24 hours and checked for leaks. Each used Tedlar bag is purged three times with nitrogen and re-filled with nitrogen for a minimum of 24 hours and checked for leaks. Each Tedlar bag is numbered for tracking purposes and each number corresponds with the number of the integrated sampling grid.

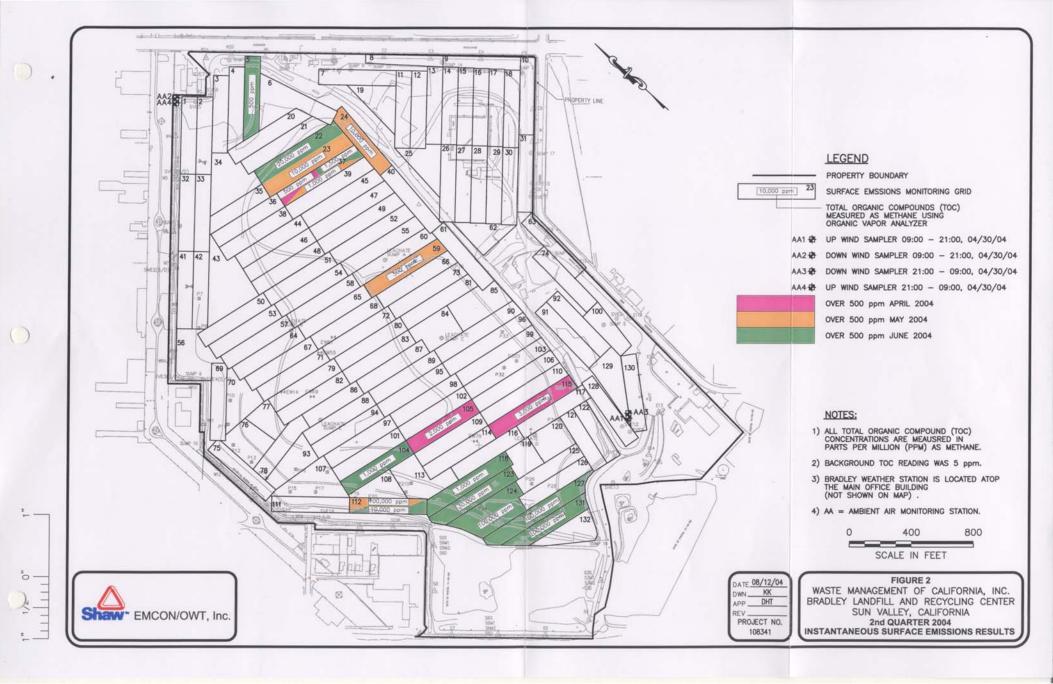
### **LIMITATIONS**

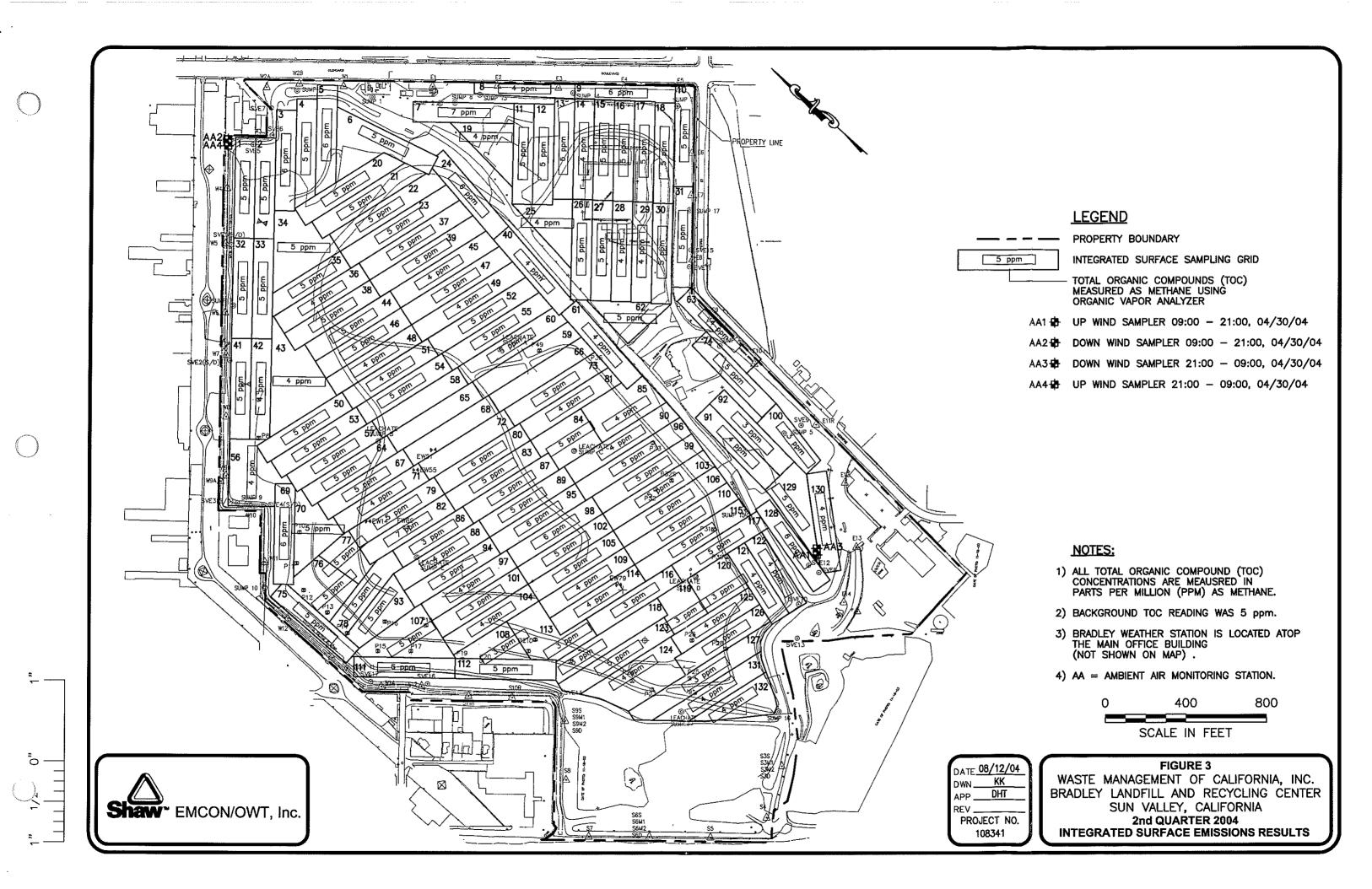
The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

# **FIGURES**







# APPENDIX A ALTERNATIVE RULE 1150.1 COMPLIANCE PLAN



June 19, 2002

WASTE MANAGEMENT DISPOSAL SVCS OF CAL 9081 TUJUNGA AVE SUN VALLEY, CA 91352

Attention: SCOTT PIGNAC

### **RULE 1150.1 COMPLIANCE PLAN**

Reference is made to your Application for a Rule 1150.1 Compliance Plan for the following landfill.

Facility ID:

50310

Sector:

PC

Application No:

394147

Phone No:

(818) 767-6180

Common Name: Location Address:

Bradley Landfill

Cit

9227 TUJUNGA AVE

City: SUN VALLEY

, CA

91352-1542

South Coast Air Quality Management District (AQMD) has reviewed your application and approved the alternatives as described in the inserts to the attached Rule 1150.1 requirements for your landfill. Rule 1150.1 Compliance Plans may be submitted by each owner or operator responsible for that section of the rule directly under their control, or by the owner or operator responsible for the entire landfill. Compliance under the alternative provision is achieved if only one owner or operator with responsibility submits a compliance plan for the applicable section of the rule. Only one alternative to each rule requirement shall be allowed for multiple Compliance Plans issued to one landfill, and that alternative shall be written into each Compliance Plan for that landfill. The AQMD reserves the right to deny any or all of these alternatives if it is determined that the alternative(s) allow emissions from the landfill that would not have occurred if the owner or operator were complying with the rule requirements. This Compliance Plan supercedes all previous plans issued to you for this site. The Municipal Solid Waste (MSW) landfill owner or operator shall comply with this approved Compliance Plan no later than October 1, 2002.

Where no Rule 1150.1 alternatives are specified, compliance with provisions of Rule 1150.1 is required. You are further advised that other governmental agencies may require approval for the operation of this landfill and it is the responsibility of the applicant to obtain approval from each agency. This compliance plan will remain in force until either a new plan is filed and approved or the applicant is notified by the Executive Officer of revisions to this plan. The AQMD shall not be responsible or liable for any losses resulting from measures required or taken pursuant to the requirements of this approved Rule 1150.1 Compliance Plan.

If you have any questions regarding this matter, please phone Ted Kowalczyk, Air Quality Engineer at (909) 396-2592.

Sincerely,

Jay Chen. P.E.

Senior A.Q. Engineering Manager

cc: Larry Israel
Air Quality Inspector
Revision Number: 3

# Alternative Compliance Plan For Bradley Landfill, Issue No. 3

# RULE 1150.1. CONTROL OF GASEOUS EMISSIONS FROM MUNICIPAL SOLID WASTE LANDFILLS (Amended March 17, 2000)

#### TABLE OF CONTENTS

- (a) Purpose
- (b) Applicability
- (c) Definitions
- (d) Active Landfill Design and Operation Requirements
- (e) Active Landfill Sampling and Monitoring Requirements
- (f) Active Landfill Recordkeeping and Reporting Requirements
- (g) Active Landfill Compliance Schedule
- (h) Inactive Landfill Requirements
- (i) Alternatives
- (j) Test Methods
- (k) Exemptions
- (l) Loss of Exemption

#### Attachment A

| Subsurface Refuse Boundary Sampling Probes            |
|---|
| Integrated Landfill Surface Sampling                  |
| Instantaneous Landfill Surface Monitoring             |
| Landfill Gas Sample From Gas Collection System        |
| Ambient Air Samples At The Landfill Property Boundary |
| Portable Integrated Bag Sampler                       |
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Figure 2 Typical Landfill Walk Pattern

Figure 3 Quality Control Sheet

Figure 4 Bag Sample Custody Form

Table 1 Carcinogenic and Toxic Air Contaminants (Core Group)

Table 2 Carcinogenic and Toxic Air Contaminants (Supplemental Group)

Attachment B Attachment C

The reference numbers in the left hand margin of the rule refer to sections of 40 CFR, Part 60, Subpart WWW (NSPS)

(a) Purpose

The rule is intended to limit Municipal Solid Waste (MSW) landfill emissions to prevent public nuisance and possible detriment to public health caused by exposure to such emissions.

(b) Applicability

This rule applies to each active and inactive MSW landfill.

(c) Definitions

Terms used but not defined in this rule have the meaning given them in 40 CFR, Part 60, Section 60.751 (Definitions):

- (1) ADMINISTRATOR means the Executive Officer of the South Coast Air Quality Management District (District).
- (2) ACTIVE LANDFILL means an MSW landfill that has received waste on or after November 8, 1987.
- (3) BACKGROUND means the local ambient concentration of total organic compounds (TOC) measured as methane determined by holding the instrument probe approximately 5 to 6 feet above the landfill surface.
- (4) CLOSED LANDFILL means a disposal facility that has ceased accepting waste and was closed in accordance with all applicable federal, state and local statutes, regulations, and ordinances in effect at the time of closure.
- (5) INACTIVE LANDFILL means an MSW landfill where solid waste had been disposed of before November 8, 1987 and no more subsequent solid waste disposal activity has been conducted within the disposal facility.
- (6) MSW LANDFILL means an entire disposal facility in a contiguous geographical space where solid waste is placed in or on land. An MSW landfill may be either active or inactive.
- (7) OPERATOR means the person:
  - (A) Operating the MSW landfill, or
  - (B) Operating the MSW landfill gas collection or control system.
- (8) OWNER means the person holding Title to the property.
- (9) PERIMETER means the outer boundary of the entire waste disposal property.
- (10) PROFESSIONAL ENGINEER means an engineer holding a valid certificate issued by the State of California Board of Registration for

Professional Engineers and Land Surveyors or a state offering reciprocity with California.

- (11) TOXIC AIR CONTAMINANT (TAC) means an air contaminant which has been identified as a hazardous air pollutant pursuant to Section 7412 of Title 42 of the United States Code; or has been identified as a TAC by the Air Resources Board pursuant to Health and Safety Code Section 39655 through 39662, or which may cause or contribute to an increase in mortality or an increase in serious illness, or potential hazard to human health.
- (d) Active Landfill Design and Operation Requirements

  The MSW landfill owner or operator shall comply with the provisions of
  - paragraphs (d)(1) through (d)(11):

752(b)(2)(i) 752(b)(2)(i)(D) If a valid Permit to Construct or Permit to Operate for the collection and control system that meets the requirements of subparagraphs (d)(1)(A) through (d)(1)(C) has not been issued by the District by the adoption date of this rule, submit a site-specific collection and control system design plan. The design plan shall be prepared by a Professional Engineer and sent to the Executive Officer with applications for Permits to Construct or Permits to Operate no later than one year after the adoption of this rule. The Executive Officer shall review the collection and control system design and either approve it, disapprove it, or request that additional information be submitted.

752(b)(2)(ii)(A)(1), (3), (4) 755(a)(1) 758(b)(1)(i)

(A)

The collection and control system shall be designed to handle the maximum expected gas flow rate from the entire area of the landfill that requires control, to minimize migration of subsurface gas to comply with paragraph (d)(4), and to collect gas at an extraction rate to comply with paragraphs (d)(5) and (d)(6). For the purposes of calculating the maximum expected gas generation flow rate from the landfill, one of the equations in 40 CFR, Part 60, Section 60.755(a)(1) shall be used. Another method may be used to determine the maximum gas generation flow rate, if the method has been approved by the Executive Officer.

(B) If a valid Permit to Construct or Permit to Operate has not been issued by the District for the collection and control system, the collection and control system design plan shall either conform with

752(b)(2)(i)(C) 756(e) specifications for active collection systems in 40 CFR, Part 60, Section 60.759 or include a demonstration to the Executive Officer's satisfaction of the sufficiency of the alternative provisions describing the design and operation of the collection system, the operating parameters that would indicate proper performance, and appropriate monitoring procedures. Alternatives to this rule shall be submitted as specified in subdivision (i).

(Ç)

752(b)(2)(iii)

The design plan shall provide for the control of collected MSW landfill emissions through the use of a collection and control system meeting the applicable requirements in clauses (d)(1)(C)(i) and (d)(1)(C)(ii):

(i) Route all the collected gas to a control system designed and operated to either reduce NMOC by at least 98 percent by weight or reduce the outlet NMOC concentration to less than 20 parts per million by volume (ppmv), dry basis as hexane at 3 percent oxygen. The required reduction efficiency or ppmv shall be established by an initial source test, required under 40 CFR, Part 60, Section 60.8 and annually thereafter using the test methods specified in paragraph (j)(1). The annual source test shall be conducted no later than 45 days after the anniversary date of the initial source test.

ALTERNATIVE: THE FOLLOWING FREQUENCY SHALL BE USED FOR SOURCE TESTING IDENTICAL FLARES LISTED ON ONE PERMIT TO OPERATE WHERE IDENTICAL MEANS, BUT IS NOT LIMITED TO:

MAKE AND MODEL, BURNERS, OPERATIONAL SETTINGS, MAINTENANCE AND FUELS.

SINGLE BACKUP FLARE- AFTER EVERY 4000 HOURS OF OPERATION.

MULTIPLE BACKUP FLARES - ONE FLARE AFTER EVERY 4000 HOURS OF CUMULATIVE BACKUP OPERATION FOR ALL FLARES LISTED ON THE PERMIT TO OPERATE. ALTERNATE TESTING OF THE FLARES SUCH THAT EACH FLARE IS TESTED.

NON-BACKUP FLARES: AT LEAST ONE FLARE EVERY YEAR AND THEN ALTERNATE ALL OTHERS SUCH THAT EACH IS SOURCE TESTED AT LEAST ONCE EVERY THREE YEARS.

- (I) If a boiler or process heater is used as the control device, the landfill gas stream shall be introduced into the flame zone. Where the landfill gas is the primary fuel for the boiler or process heater, introduction of the landfill gas stream into the flame zone is not required.
- (II) The control device shall be operated within the operating parameter ranges established during the initial or most recent compliant source test. The operating parameters to be monitored are specified under paragraph (e)(6).
- (ii) Route the collected gas to a treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system shall be subject to the requirements of clause (d)(1)(C)(i).
- (2) Install and operate the collection and control system no later than 18 months after the submittal of the design plan.
  - (3) If the District has not issued prior written approval for subsurface refuse boundary sampling probes, design and install subsurface refuse boundary sampling probes as specified in Section 1.1, Attachment A, to determine whether landfill gas migration exists. Installation of the refuse boundary probes shall be no later than 18 months after the submittal of the collection and control design plan as specified in paragraph (d)(1).

ALTERNATIVE: THE SUBSURFACE REFUSE BOUNDARY PROBES APPROVED IN THE PAST OR SUBMITTED WITH THIS APPLICATION, ARE APPROVED. ALL FUTURE DESIGNS AND INSTALLATIONS NOT MEETING THE RULE REQUIREMENTS, SHALL BE SUBMITTED FOR AQMD PRECONSTRUCTION APPROVAL WITH A COMPLIANCE PLAN APPLICATION.

(4) Operate the collection system to prevent the concentration of TOC measured as methane from exceeding five percent by volume in the subsurface refuse boundary sampling probes constructed for the purposes of detecting lateral migration of landfill gas away from the waste mass, as determined from collected samples.

ALTERNATIVE: EXCEPT PROBE E-8-D (AS IDENTIFIED ON "FIGURE 1. SITE PLAN OF BRADELY EAST LANDFILL IN VICINITY OF PROBE E-8" – 12/5/01).

- (5) Operate the collection system to prevent the concentration of TOC measured as methane from exceeding 50 ppmv as determined by integrated samples taken on numbered 50,000 square foot landfill grids.
- (6) Operate the collection system to prevent the concentration of TOC measured as methane from exceeding 500 ppmv above background as determined by instantaneous monitoring at any location on the landfill, except at the outlet of any control device.
- (7) Operate the control or treatment system at all times when the collected gas is routed to the system. In the event the collection, treatment or control system is inoperable, the gas conveying system shall be shut down and all valves in the collection, treatment and control system contributing to venting of the gas to the atmosphere shall be closed no later than one hour after such breakdown or no later than one hour after the time the owner or operator knew or reasonably should have known of its occurrence.
- Operate the collection, treatment and control system until all the exemption criteria under subdivision (k) has been met and the reports specified in subparagraph (f)(2)(D) have been submitted to the Executive Officer.
  - (9) Design, install and operate a wind speed and direction monitoring system with a continuous recorder of the requirements in subparagraphs (d)(9)(A)

and (d)(9)(B), at a site which is representative of the wind speed and direction in the areas being sampled. The wind velocity shall be recorded throughout the sampling period. The wind direction transmitter shall be oriented to true north using a compass. The monitor shall be installed according to the criteria set forth in 40 CFR, Part 50.

- (A) For wind speed use a 3 cup assembly, with a range of 0 to 50 miles per hour, with a threshold of 0.75 mile per hour or less.
- (B) For wind direction use a vane, with a range of 0 to 540 degrees azimuth, with a threshold of plus-minus 2 degrees.
- (10) Comply with the requirements of Section 21140 Final Cover, of California Code of Regulations Title 27, Subchapter 5 Closure and Post-Closure Maintenance, upon closure of a MSW landfill unit, incorporated herein as Attachment B.
- (11) Comply with the requirement of Section 20200 State Water Resources Conservation Board (SWRCB) Applicability and Classification Criteria of California Code of Regulations Title 27, Article 2 – SWRCB, Waste Classification and Management, with respect to the disposal of liquids and semi-solid waste at Class III landfills, incorporated herein as Attachment C.
- (e) Active Landfill Sampling and Monitoring Requirements The MSW landfill owner or operator shall comply with the provisions of paragraphs (e)(1) through (e)(6), after installation of the landfill gas control system:
  - (1) Monitor and collect samples for analysis as specified in Section 1.0, Attachment A, to determine the concentrations of TOC and TAC each month from the subsurface refuse boundary sampling probes, to assure continued compliance. Any measurement of 5 percent TOC by volume or greater shall be recorded as an exceedance and the actions specified in subparagraphs (e)(1)(A) through (e)(1)(C) shall be taken.

    ALTERNATIVE: PROBE E-8-D\* ONLY. IN LIEU OF

ALTERNATIVE: PROBE E-8-D\* ONLY, IN LIEU OF COMPLYING WITH PARAGRAPH (d)(4), OR (e)(1)(A-C) WITH RESPECT TO EXCEEDANCES, MONITOR INSTANTANEOUSLY GRID 31 D\* PURSUANT TO SECTION 3.0, ATTACHMENT A. THE OPERATOR SHALL RECORD, MAINTAIN AND REPORT THE RESULTS OF THIS MONITORING PURSUANT TO

# SUBDIVISION (f). \*IDENTIFIED IN "FIGURE 1. SITE PLAN OF BRADELY EAST LANDFILL IN VICINITY OF PROBE E-8" – 12/5/01.

- (A) The probe shall be identified and the location recorded as specified in Section 1.6, Attachment A.
- (B) Adjustments to the vacuum of adjacent wells to increase the gas collection in the vicinity of the probe with the exceedance shall be made and the probe resampled no later than 10 calendar days after detecting the exceedance.
- (C) If the resampling of the probe shows a second exceedance, additional corrective action shall be taken and the probe shall be resampled again no later than 10 calendar days after the second exceedance. If the resampling shows a third exceedance, it is a violation unless the owner or operator determines that a new or replacement gas collection well is needed. The owner or operator must install and operate the new or replacement well no later than 45 days after detecting the third exceedance.
- (2) Collect monthly integrated samples for analysis as specified in Section 2.0, Attachment A, to determine the concentrations of TOC and TAC from the landfill surface, to assure continued compliance. Any reading of 50 ppmv or greater shall be recorded as an exceedance and the actions specified in subparagraphs (e)(2)(A) through (e)(2)(C) shall be taken.

ALTERNATIVE: THE LANDFILL SAMPLING GRIDS ARE DIVIDED INTO THREE TYPES: "A", "B" AND "C". QUARTERLY FOR TYPE "A" AND "B" GRIDS. ANNUALLY FOR TYPE "C" GRIDS.

- (A) The grid shall be identified and the location recorded as specified in Section 2.8, Attachment A.
- (B) Cover maintenance or adjustments to the vacuum of adjacent wells to increase the gas collection in the vicinity of the grid with the exceedance shall be made and the grid resampled no later than 10 calendar days after detecting the exceedance. If measurable precipitation occurs within the 10 calendar days, all resampling and analysis shall comply with Section 2.2.2, Attachment A.

- (C) If the resampling of the grid shows a second exceedance, additional corrective action shall be taken and the grid shall be resampled again no later than 10 calendar days after the second exceedance. If the resampling shows a third exceedance, it is a violation unless the owner or operator determines that a new or replacement gas collection well is needed. The owner or operator must install and operate the new or replacement well no later than 45 days after detecting the third exceedance.
- Monitor instantaneously as specified in Section 3.0, Attachment A, to determine the concentration of TOC each calendar quarter, to assure continued compliance. Any reading of 500 ppmv TOC or greater shall be recorded as an exceedance and the actions specified in subparagraphs (e)(3)(A) through (e)(3)(C) shall be taken. Any closed landfill that has no monitored exceedances of the 500 ppmv standard in three consecutive quarterly monitoring periods may monitor annually. Any reading of 500 ppmv TOC or more above background detected during the annual monitoring or compliance inspections shall result in a return to quarterly monitoring for that landfill.

ALTERNATIVE: THE LANDFILL MONITORING GRIDS ARE DIVIDED INTO THREE TYPES: "A", "B" AND "C".

QUARTERLY FOR TYPE "A" AND "B" GRIDS.

QUARTERLY FOR "C" WELL HEADS, POLES, AND OTHER STRUCTURES PROTRUDING INTO THE REFUSE.

## ANNUALLY FOR THE SURFACE OF TYPE "C" GRIDS.

- (A) The location of each monitored exceedance shall be marked on the landfill or identified by using a global positioning system and the location recorded as specified in Section 3.4, Attachment A.
- (B) Cover maintenance or adjustments to the vacuum of adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be remonitored no later than 10 calendar days after detecting the exceedance.

- (C) If the remonitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be remonitored again no later than 10 days after the second exceedance. If the remonitoring shows a third exceedance, it is a violation unless the owner or operator determines that a new or replacement gas collection well is needed. The owner or operator must install and operate the new or replacement well no later than 45 days after detecting the third exceedance.
- (4) Collect a monthly landfill gas sample for analysis as specified in Section 4.0, Attachment A, to determine the concentrations of TOC and TAC from the main gas collection header line entering the gas treatment and/or gas control systems.

#### **ALTERNATIVE: QUARTERLY**

(5) Collect monthly ambient air samples for analysis as specified in Section 5.0, Attachment A, to determine the concentrations of TOC and TAC from the landfill property boundary.

#### ALTERNATIVE: QUARTERLY

- (6) Monitor the collection and control system equipment specified under subparagraphs (e)(6)(A) and (e)(6)(B) in order to comply with subparagraph (d)(1)(C).
  - (A) For an enclosed combustor install, calibrate, maintain, and operate according to the manufacturer's specifications, the following equipment:
    - (ii) A temperature monitoring device equipped with a continuous recorder and having an accuracy of plus-minus 1 percent of the temperature being measured expressed in degrees Celsius or Fahrenheit. A temperature monitoring device is not required for boilers or process heaters with design heat input capacity greater than 44 megawatts.
    - (iii) At least one gas flow rate measuring device that shall record the flow to the control device(s) at least every 15 minutes.
  - (B) For a device other than an enclosed combustor, demonstrate compliance with subparagraph (d)(1)(C) by providing information satisfactory to the Executive Officer describing the operation of the

756(b)

756(d)

control device, the operating parameters that would indicate proper performance, and appropriate monitoring procedures. Alternatives to this rule shall be submitted as specified in subdivision (i). The Executive Officer may specify additional appropriate monitoring procedures.

- (f) Active Landfill Recordkeeping and Reporting Requirements

  The MSW landfill owner or operator shall keep all records up-to-date, readily accessible and maintained for at least a period of 5 years and made available to District staff upon request. Records older than 2 years may be maintained off-site, if they are retrievable no later than 4 hours after request.
  - (1) The records required in subparagraphs (f)(1)(A) through (f)(1)(H) shall be maintained at the facility.
    - (A) For the life of the control equipment as measured during the initial source test or compliance determination:
      - (i) The control device vendor specifications.
      - (ii) The maximum expected gas generation flow rate as calculated in subparagraph (d)(1)(A).
      - (iii) When seeking to demonstrate compliance with subparagraph (d)(1)(C) through the use of an enclosed combustion device other than a boiler or process heater with a design heat input capacity greater than 44 megawatts:
        - (I) The average combustion temperature measured at least every 15 minutes and averaged over the same time period of the source test.

ALTERNATIVE: FOR FLARE(S),
CONTINUOUSLY RECORD THE
INSTANTANEOUS COMBUSTION
TEMPERATURE.

- (II) The reduction of NMOC determined as specified in clause (d)(1)(C)(i) achieved by the control device.
- (iv) When seeking to demonstrate compliance with subclause (d)(1)(C)(i)(I) through the use of a boiler or process heater of any size: a description of the location at which the collected gas vent stream is introduced into the boiler or

process heater over the same time period of the source testing.

- (B) The data required to be recorded under Section 1.6, Attachment A, for subsurface refuse boundary sampling probes and all remedial actions taken for exceedances of the 5 percent TOC standard required in paragraph (d)(4).
- (C) The data required to be recorded under Section 2.8, Attachment A, for integrated samples and all remedial actions taken for exceedances of the 50 ppmv TOC standard required in paragraph (d)(5).
- (D) The data required to be recorded under Section 3.4, Attachment A, for instantaneous monitoring and all remedial actions taken for exceedances of the 500 ppmv TOC standard required in paragraph (d)(6).
- (E) The data required to be recorded under Section 4.5, Attachment A, for landfill gas samples collected from the main gas collection header line entering the gas treatment and/or gas control systems.
- (F) The data required to be recorded under Section 5.7, Attachment A, from ambient air collected at the landfill property boundary.
- (G) A description and the duration of all periods when the collection, treatment or control device was not operating for a period exceeding one hour and the length of time the system was not operating.
- (H) Continuous records of the equipment operating parameters specified to be monitored under paragraph (e)(6) as well as records for periods of operation during which the parameter boundaries established during the most recent source test are exceeded.
  - (i) The following constitute exceedances that shall be recorded:
    - (I) For enclosed combustors except for boilers and process heaters with design heat input capacity of 44 megawatts (150 million British thermal unit per hour) or greater, all 3-hour periods of operation during which the average combustion temperature was more than 28° C (82° F) below the average

758(e)

757(f)(3)

758(c)

combustion temperature during the most recent source test at which compliance with subparagraph (d)(1)(C) was determined.

**ALTERNATIVE:** FOR FLARES, ALL 3-HOUR PERIODS OF OPERATION DURING WHICH THE **INSTANTANEOUS** COMBUSTION TEMPERATURE WAS MORE THAN 28 DEGREES C (82 DEGREES F) BELOW THE AVERAGE **COMBUSTION** TEMPERATURE DURING THE MOST RECENT SOURCE TEST AΤ WHICH COMPLIANCE WITH **SUBPARAGRAPH** (D)(1)(C) WAS DETERMINED.

# FOR BOILERS THIS REQUIREMENT IS NOT APPLICABLE.

- (II) For boilers or process heaters, whenever there is a change in the location at which the vent stream is introduced into the flame zone as required under clause (f)(1)(A)(iv).
- (ii) Records of the indication of flow to the control device specified under paragraph (e)(6)(A)(ii).
- (iii) Each owner or operator who uses a boiler or process heater with a design heat input capacity of 44 megawatts or greater to comply with subparagraph (d)(1)(C) shall keep records of all periods of operation of the boiler or process heater. (Examples of such records could include records of steam use, fuel use, or monitoring data collected pursuant to other State, local, Tribal, or Federal regulatory requirements.)
- (2) The reports required in subparagraphs (f)(2)(A) through (f)(2)(D) shall be submitted to the Executive Officer (Either paper copy or electronic formats are acceptable).
  - (A) The initial source test report no later than 180 days after start-up and each succeeding complete annual source test report no later

than 45 days after the anniversary date of the initial source test, for all control systems required in subparagraph (d)(1)(C).

- (B) A report no later than 45 days after the last day of each calendar quarter with the information required in clauses (f)(2)(B)(i) and (f)(2)(B)(ii).
  - (i) All exceedances of the emission standards required in paragraphs (d)(4), (d)(5) and (d)(6) in the format required under Sections 1.6, 2.8 and 3.4, Attachment A. All exceedance resampling/remonitoring and each corrective action required under paragraphs (e)(1), (e)(2) and (e)(3). If there are no exceedances, submit a letter stating there were no exceedances for that quarter.
  - (ii) All TAC analyses required in paragraphs (e)(1) through (e)(5).
- (C) A closure report to the Executive Officer no later than 30 days after waste acceptance cessation. The Executive Officer may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 40 CFR, Part 258, Section 258.60 or the applicable federal, state and local statutes, regulations, and ordinances in effect at the time of closure. If a closure report has been submitted to the Executive Officer, no additional wastes shall be placed into the landfill without filing a notification of modification as described under 40 CFR, Part 60, Section 60.7(a)(4).
- (C) A decommissioning report to the Executive Officer 30 days prior to well capping, removal or cessation of operation of the collection, treatment or control equipment. The decommissioning report shall contain all of the items as specified in clauses (f)(2)(D)(i) through (f)(2)(D)(iii):
  - (i) A copy of the closure report submitted in accordance with subparagraph (f)(2)(C).
  - (ii) A copy of the initial source test report demonstrating that the collection and control system has been installed a minimum of 15 years.

757(d)

757(e)

(iii) All records needed to verify the landfill meets the exemption criteria under subdivision (k).

### (g) Active Landfill Compliance Schedule

The MSW landfill owner or operator shall comply with the active landfill requirements of this rule or submit alternatives to this rule as specified in subdivision (i) no later than 90 days after April 10, 1998. Rule 1150.1 Compliance Plans previously submitted to the District shall remain in effect during the 90 days after April 10, 1998, or until the owner or operator has received an approved alternative Rule 1150.1 Compliance Plan submitted as specified in subdivision (i).

### (h) Inactive Landfill Requirements

The MSW landfill owner or operator shall comply with either the applicable requirements in paragraphs (h)(1) and (h)(2) or submit alternatives to this rule as specified in subdivision (i).

- (1) Inactive landfills that have a landfill gas collection system shall meet all of the active landfill requirements. For those inactive landfills without a gas collection system and determined to need one, meet all of the active landfill requirements, except the collection and control system design plan and applications for permits shall be submitted no later than one year after notification by the Executive Officer.
- (2) Inactive landfills without a gas collection system:
  - (A) Upon discovery of TOC measured as methane exceeding 500 ppmv at any location on the landfill surface, apply mitigation measures such as compaction, additional cover, and/or watering to reduce the emissions to less than 500 ppmv. The procedure used for measurement of TOC shall meet the requirements of Section 3.0, Attachment A.
  - (B) Submit the following Data and/or meet the required action in paragraph (h)(1):
    - (i) At any time after the adoption of this rule, but not later than 30 days after the receipt of a request, submit to the Executive Officer a screening questionnaire pursuant to California Air Resources Board Health and Safety Code (H & S) 41805.5.

- (ii) No later than 90 days after the date of a second request, submit to the Executive Officer a solid waste air quality assessment test (SWAT) report pursuant to H & S 41805.5, to determine whether or not a landfill gas collection and control system and/or a subsurface refuse boundary probe sampling system shall be required to be installed.
- (iii) If additional time is needed to provide the information required in clauses (h)(2)(B)(i) and (h)(2)(B)(ii), a written request for an extension may be submitted in writing to the Executive Officer, indicating the amount of time that is needed to obtain such information. Such a request for an extension may be submitted to the Executive Officer no later than 30 days after the receipt of the Executive Officer's requests as specified in clauses (h)(2)(B)(i) and (h)(2)(B)(ii).
- (iv) Upon notification by the Executive Officer that a landfill gas collection and control system and/or a subsurface refuse boundary probe sampling system shall be required, comply with paragraph (h)(1).

#### (i) Alternatives:

752(b)(2)(i)(B)

Because of the many site-specific factors involved in the design and operation of landfill gas systems, alternatives to the requirements, test methods, procedures, compliance measures, monitoring, recordkeeping or reporting provisions of this rule may be necessary. All alternatives to the requirements of this rule shall be submitted to the Executive Officer in a Rule 1150.1 Compliance Plan. The Executive Officer shall review the Rule 1150.1 Compliance Plan and either approve it, disapprove it, or request that additional information be submitted. The Executive Officer shall deny the plan unless he determines that it will provide equivalent levels of emission control and enforceability, as would compliance with the requirements of this rule.

- (j) Test Methods
  - (1) Methods of Analysis
    - (A) Either U.S. EPA Reference Method 25 or U.S. EPA Reference Method 18, 40 CFR, Part 60, Appendix A shall be used to

754(d)

determine the efficiency of the control system in reducing NMOC by at least 98 percent by weight. If using Method 18, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The equation in subparagraph (j)(1)(B) shall be used to calculate efficiency.

(B) U.S. EPA Reference Method 25, 40 CFR, Part 60, Appendix A shall be used to determine the efficiency of the control system in reducing the outlet NMOC concentration to less than 20 ppmv, dry basis as hexane at 3 percent oxygen. Until, but not after District Method 25.3 has met equivalency as specified in paragraph (j)(2), U.S. EPA Reference Method 18, 40 CFR, Part 60, Appendix A may be used for this source test. If using Method 18, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The following equation shall be used to calculate efficiency:

Control Efficiency =  $(NMOC_{in} - NMOC_{out})/(NMOC_{in})$  where,  $NMOC_{in} = mass of NMOC$  entering control device  $NMOC_{out} = mass of NMOC$  exiting control device

(2) Equivalent Test Methods

Any other method demonstrated to be equivalent and approved in writing by the Executive Officers of the District, the California Air Resources Board (CARB), and the Regional Administrator of the United States Environmental Protection Agency (U.S. EPA), Region IX, or their designees, may be used to determine compliance with this rule.

### (k) Exemptions

An MSW landfill may be temporarily exempt from all or any portion of the requirements of this rule if the owner or operator can demonstrate to the Executive Officer that the MSW landfill emissions meet the requirements of paragraphs (k)(1) through (k)(4). Temporary exemption may be independently determined by the Executive Officer, if the MSW landfill emissions meet the requirements of paragraphs (k)(1) through (k)(4). MSW landfills issued temporary exemption

letters by the Executive Officer shall remain exempt, subject to periodic review, provided:

- (1) The MSW landfill complies with the requirements of paragraphs (d)(4), (d)(5) and (d)(6).
- (2) The MSW landfill emits less than 55 tons per year of NMOC as specified in 40 CFR, Part 60, Section 60.752(b) or, for a closed landfill, as specified in 40 CFR, Part 60, Section 60.752(b)(2)(v)(C).
  - (3) The MSW landfill constitutes an insignificant health risk. In making this determination the Executive Officer shall consider the listed factors in subparagraphs (k)(3)(A) through (k)(3)(G). Where not specified, in evaluating the cancer risks and hazard indexes, the Executive Officer shall be guided by the definitions in District Rule 1401 New Source Review of Carcinogenic Air Contaminants, and Rule 1402 Control of Toxic Air Contaminants From Existing Sources.
    - (A) The proximity to, and any adverse impacts on, residences, schools, hospitals or other locations or structures which have children, or elderly or sick persons.
    - (B) The emission migration beyond the landfill property boundary.
    - (C) The complaint history.
    - (D) The age and closure date.
    - (E) The amount and type of waste deposited.
    - (F) That the emissions of carcinogenic air contaminants, specified in Table 1, Attachment A, from the landfill will not result in a maximum individual cancer risk greater than one in one million (1 x 10<sup>-6</sup>) at any receptor location.
    - (G) That the emissions of TAC, specified in Table 1, Attachment A, from the landfill will not result in a total acute or chronic Hazard Index of greater than 1.
  - (4) The MSW landfill is in compliance with District Nuisance Rule 402.

Such temporary exemption shall be reviewed periodically by the Executive Officer, to consider the land use surrounding the landfill and gaseous emissions, and the impact on the public. Depending upon the results of the review, the Executive Officer may extend or terminate the exemption.

(l) Loss of Exemption

If an MSW landfill should have its temporary exemption terminated, the owner or operator shall comply with the active landfill requirements of this rule.

#### ATTACHMENT A

- 1.0 SUBSURFACE REFUSE BOUNDARY SAMPLING PROBES
  Paragraph (d)(4) and (e)(1) Requirements of Rule 1150.1
- 1.1 Subsurface Probe Design and Installation Landfills which are subject to Rule 1150.

Landfills which are subject to Rule 1150.1 must install and maintain a subsurface refuse boundary probe sampling system of adequate design to determine if gas migration exists for the ultimate purpose of preventing surface emissions. The California Integrated Waste Management Board also requires the installation of refuse boundary probes for purposes of detecting and ultimately preventing subsurface migration of landfill gas past the permitted property boundary of the landfill/disposal site as well as the prevention of the accumulation of landfill gas in on-site structures. It is the District's intent that the subsurface refuse boundary probes required by paragraph (d)(3) of Rule 1150.1 be designed and installed in such a manner as to comply with the requirements of the California Integrated Waste Management Board (whenever possible) and Sections 1.1.1 through 1.1.4.

- 1.1.1 The probes shall be installed within the landfill property line and outside the refuse disposal area.
- 1.1.2 Wherever accessible, the probes shall be located no further than 100 feet from the refuse boundary.

ALTERNATIVE: WHEREVER ACCESSIBLE AND THE PROBES ARE GREATER THAN 100 FEET FROM THE REFUSE, MONITOR INSTANTANEOUSLY FROM THE REFUSE BOUNDARY TO THE PROBE, USING THE GRID METHOD EVERY QUARTER AND WHEN PROBES EXCEED 2% TOC.

1.1.3 The spacing between probes shall be based on the adjacent land use no further than 1320 feet (1/4 mile) from the refuse boundary and shall be determined as follows:

| LAND USE                                   | SPACING   |
|--|-----------|
| Residential/Commercial                     | 100 feet  |
| Public Access                              | 500 feet  |
| Undeveloped Open Space, (No Public Access) | 650 feet  |
| Landfill with Liners                       | 1000 feet |

1.1.4 Each probe shall be capped, sealed, have a sampling valve and be of multiple-depth design for which the depth shall be determined based on the depth of refuse no further than 500 feet from the probe as follows:

First Depth

10 feet below surface.

Second Depth

25% of refuse depth or 25 feet below surface,

whichever is deeper.

Third Depth

50% of refuse depth or 50 feet below surface,

whichever is deeper.

Fourth Depth

75% of refuse depth or 75 feet below surface,

whichever is deeper.

Second, third, or fourth depth probes may be deleted if the required depth of such probe is deeper than the depth of the refuse.

### 1.2 Number of Samples

All refuse boundary gas probes at each depth shall be monitored monthly for TOC measured as methane using a portable flame ionization detector (FID) meeting the requirements of Section 3.2 and with a tube connected to the probe sampling valve. In addition, samples shall be taken as specified in Section 1.2.1 or 1.2.2 to determine the concentration of both TOC and TAC. The Executive Officer may require additional probes to be sampled upon written request.

- 1.2.1 If the TOC concentration measured with the FID does not exceed 5% by volume in any of the probes, collect one bag sample from one probe with the highest concentration, or
- 1.2.2 If the TOC concentration measured with the FID for any of the probes exceeds 5% by volume, collect one bag sample per probe from the probes with the highest concentrations above 5% by volume, from at least five probes.
- 1.3 Subsurface Refuse Boundary Probe Sampling Procedure
  - 1.3.1 Prior to collecting gas samples, evacuate the probe (the probes must be sealed during evacuation) until the TOC concentration remains constant for at least 30 seconds.
  - 1.3.2 The constant **TOC** concentration shall be measured using an FID that meets the requirements in Section 3.2.

ALTERNATIVE: PORTABLE ANALYZERS ON AN APPROVED LIST OF EQUIPMENT MAINTAINED BY THE AQMD MAY BE

# USED AS ALTERNATIVES FOR THE SAMPLER/INSTRUMENT REQUIREMENTS OF THIS RULE.

- 1.3.3 Collect approximately a 10-liter gas sample in a Tedlar (Dupont trade name for polyvinyl) bag or equivalent container over a continuous tenminute period using the evacuated container sampling procedure described in Section 7.1.1 of EPA Method 18 or direct pump sampling procedure described in Section 7.1.2 of EPA Method 18. The container shall be LIGHT-SEALED.
- 1.4 Subsurface Refuse Boundary Probe Analytical Procedures
  All samples collected shall be analyzed no later than 72 hours after collection for TOC using U.S. EPA Method 25, 40 CFR, Part 60, Appendix A analysis or a portable FID that meets the requirements in Section 3.2 and for the TAC specified in Table 1 and upon written request, Table II, using U.S. EPA Compendium Method TO-14.
- 1.5 Chain of Custody (Required for samples sent to the lab)

  A custody sheet shall accompany the bag samples. Each time a bag changes hands, it shall be logged on the custody sheet with the time of custody transfer recorded. Laboratory personnel shall record the condition of the sample (full, three-fourths full, one-half full, one-fourth full, or empty). An example of a custody sheet is shown in Figure 4.

#### 1.6 Recording the Results

- 1.6.1 Record the volume concentration of TOC measured as methane for each individually identified refuse boundary probe (at each depth) and the volume concentration of TAC for selected probes on a quality control sheet as shown in Figure 3. Include a topographic map drawn to scale with the location of both the refuse boundary probes and the gas collection system clearly marked and identified.
- 1.6.2 Maintain and submit the results as specified in subdivision (f) of Rule 1150.1.
- 2.0 INTEGRATED LANDFILL SURFACE SAMPLING
  Paragraph (d)(5) and (e)(2) Requirements of Rule 1150.1
- 2.1 Number of Samples

The number of samples collected will depend on the area of the landfill surface. The entire landfill disposal area shall be divided into individually identified 50,000 square foot grids. One monthly sample shall be collected from each grid for analysis. Any area that the Executive Officer deems inaccessible or dangerous for a technician to enter may be excluded from the sampling grids monitored by the landfill owner or operator. To exclude an area from monitoring, the landfill owner or operator shall file a written request with the Executive Officer. Such a request shall include an explanation of the requested exclusion and photographs of the area. The Executive Officer shall notify the landfill owner or operator in writing of the decision. Any exclusion granted shall apply only to the monitoring requirement. The 50 ppmv limit specified in paragraph (d)(5) of Rule 1150.1 applies to all areas.

ALTERNATIVE: SAMPLING IS NOT REQUIRED FOR THE FOLLOWING LANDFILL SURFACES: PORTIONS OF SLOPES 30 DEGREES AND GREATER, PAVED SURFACES EXCEPT FOR CRACKS, THE ACTIVE WORKING FACE, THE MAIN HAUL ROAD AND TEMPORARY STOCKPILES FIVE (5) FEET OR MORE IN HEIGHT. A TEMPORARY STOCKPILE DOES NOT INCLUDE A CLOSED LANDFILL FINAL COVER OR CAP.

- 2.2 Integrated Surface Sampling Conditions
  - 2.2.1. The average wind speed during this sampling procedure shall be five miles per hour or less. Surface sampling shall be terminated when the average wind speed exceeds five miles per hour or the instantaneous wind speed exceeds ten miles per hour. Average wind speed is determined on a 15-minute average.
  - 2.2.2. Surface sampling shall be conducted when the landfill is dry. The landfill is considered dry when there has been no measurable precipitation for the preceding 72 hours prior to sampling. Most major newspapers report the amount of precipitation that has fallen in a 24-hour period throughout the Southern California area. Select the nearest reporting station that represents the landfill location or provide for measurable precipitation collection at the MSW landfill wind monitoring station.
- 2.3 Integrated Surface Sampler Equipment Description

An integrated surface sampler is a portable self-contained unit with its own internal power source. The integrated sampler consists of a stainless steel collection probe, a rotameter, a pump, and a 10-liter Tedlar bag enclosed in a LIGHT-SEALED CONTAINER to prevent photochemical reactions from occurring during sampling and transportation. The physical layout of the sampler is shown in Figure 1.

An alternate integrated surface sampler may be used, provided that the landfill owner or operator can show an equivalency with the sampler specifications in Section 2.4 and shown in Figure 1. All alternatives shall be submitted as specified in subdivision (i) of Rule 1150.1.

ALTERNATIVE: PORTABLE ANALYZERS ON AN APPROVED LIST OF EQUIPMENT MAINTAINED BY THE AQMD MAY BE USED AS ALTERNATIVES FOR THE SAMPLER/INSTRUMENT REQUIREMENTS OF THIS RULE.

- 2.4 Integrated Surface Sampler Equipment Specifications
  - 2.4.1 Power: Batteries or any other power source.
  - 2.4.2 Pump: The diaphragm shall be made of non-lubricated Viton (Dupont trade name for co-polymer of hexafluoropropylene and vinylidene fluoride) rubber.
  - 2.4.3 Bag: One 10-liter Tedlar bag with a valve. The Tedlar bag shall be contained in a LIGHT-SEALED CONTAINER. The valve shall be leak free and constructed of aluminum, stainless steel, or non-reactive plastic with a Viton or Buna-N (butadiene acrylonitrile co-polymer) o-ring seal.
  - 2.4.4 Rotameter: The rotameter shall be made of borosilicate glass or other non-reactive material and have a flow range of approximately 0-to-1 liter per minute. The scale shall be in milliliters or an equivalent unit. The graduations shall be spaced to facilitate accurate flow readings.
  - 2.4.5 Air Flow Control Orifice: Needle valve in the rotameter.
  - 2.4.6 Funnel: 316 stainless steel.
  - 2.4.7 Fittings, Tubing and Connectors: 316 stainless steel or Teflon.
- 2.5 Integrated Surface Sampling Procedure
  - 2.5.1 An integrated surface sampler as described in Section 2.4 shall be used to collect a surface sample approximately 8-to-10 liters from each grid.

- 2.5.2 During sampling, the probe shall be placed 0-to-3 inches above the landfill surface.
- 2.5.3 The sampler shall be set at a flow rate of approximately 333 cubic centimeters per minute
- 2.5.4 Walk through a course of approximately 2,600 linear feet over a continuous 25-minute period. Figure 2 shows a walk pattern for the 50,000 square foot grid.

ALTERNATIVE: THE LANDFILL SAMPLING GRIDS ARE DIVIDED INTO THREE TYPES CONSISTING OF TYPE "A", TYPE "B" AND TYPE "C" AS REFERENCED IN THE MAP SUBMITTED 4/27/00 OR THE MOST RECENT UPDATE, WITH SHEET TITLE "PLAN-INTEGRATED SURFACE EMISSIONS MONITORING GRIDS". THE THREE TYPES OF GRIDS ARE DEFINED AS: TYPE "A" - NO EXCLUSIONS FROM SAMPLING; TYPE "B" - CONTAINING STEEP SLOPES OR STEEP SLOPES AND DENSE VEGETATION ON GRIDS 121, 122, 128, AND 130; AND TYPE "C" - THE AREA OF ACTIVE RECYCLING OPERATIONS. THE TOPOGRAPHIC MAP SHALL BE DRAWN TO SCALE CLEARLY IDENTIFYING TOPOGRAPHICAL FEATURES OF THE LANDFILL WITH CONTOUR LINES. THE LOCATION OF ALL SAMPLING GRIDS AND THE GAS COLLECTION SYSTEM SHALL BE CLEARLY MARKED AND IDENTIFIED. THE SUBMITTED TOPOGRAPHICAL MAP WILL  $\mathbf{BE}$ FILED IN APPLICATION FOLDER AND USED FOR COMPLIANCE. SMALLER 11" BY 17" TOPOGRAPHICAL MAP IS ATTACHED TO THIS PLAN FOR FIELD REFERENCE. THE TOPOGRAPHICAL MAPS SHALL BE CONFIRMED OR UPDATED ANNUALLY BY THE OWNER/OPERATOR OR AS REQUESTED BY THE EXECUTIVE OFFICER.

SAMPLING OF TYPE "A" SURFACE GRIDS SHALL BE ACCORDING TO THE RULE.

SAMPLING OF TYPE "B" SURFACE GRIDS SHALL CONSIST OF SAMPLING THE TOE OF GRIDS 121, 128, AND 130 AND THE TOP OF GRID 122. VACUUM READINGS FROM ALL GAS EXTRACTION WELLS LOCATED ON TYPE "B" GRIDS SHALL BE RECORDED MONTHLY AND INCLUDED IN THE QUARTERLY REPORT. GRIDS 121 AND 122 EACH DEFINED AS A TYPE "B" GRID, SHALL BE REDESIGNATED AS A TYPE "A" GRID WHEN ENOUGH ADDITIONAL REFUSE HAS BEEN PUT IN PLACE.

SAMPLING OF TYPE "C" SURFACE GRIDS SHALL CONSIST OF SAMPLING A COURSE OF APPROXIMATELY 2,600 LINEAR FEET BUT NOT LESS THAN 1900 LINEAR FEET IN EACH GRID FOR A CONTINUOUS 25-MINUTE PERIOD EXCLUDING STOCKPILES, STORED EQUIPMENT AND RECYCLING EQUIPMENT. RULE 1150.1, ATTACHMENT A, FIGURE 2 SHOWS A 50,000 SQUARE FOOT GRID WALK PATTERN THAT WILL BE MODIFIED TO AVOID THE EXCLUSIONS. VACUUM READINGS FROM ALL GAS EXTRACTION WELLS LOCATED ON TYPE "C" ACTIVE RECYCLING GRIDS SHALL BE RECORDED MONTHLY AND INCLUDED IN THE QUARTERLY REPORT.

- 2.6 Integrated Surface Sample Analytical Procedures
  - All samples collected shall be analyzed no later than 72 hours after collection for TOC using U.S. EPA Method 25, 40 CFR, Part 60, Appendix A analysis or a portable FID that meets the requirements in Section 3.2. In addition, the samples specified in Section 2.6.1 or 2.6.2 must be analyzed no later than 72 hours after collection for the TAC specified in Table 1 and upon written request, Table II, using U.S. EPA Compendium Method TO-14.
  - 2.6.1 Ten percent of all samples which have a concentration of TOC greater than 50 ppmv as methane, or
  - 2.6.2 Two samples if all samples are 50 ppmv or less of TOC or two samples if there are less than 20 samples above 50 ppmv.

The Executive Officer may require more samples to be tested for TAC if he determines there is a potential nuisance or public health problem.

2.7 Chain of Custody (Required for samples sent to the lab)

A custody sheet shall accompany the bag samples. Each time a bag changes hands, it shall be logged on the custody sheet with the time of custody transfer recorded. Laboratory personnel shall record the condition of the sample (full, three-fourths full, one-half full, one-fourth full, or empty). An example of a custody sheet is shown in Figure 4.

#### 2.8 Recording the Results

- 2.8.1 Record the volume concentration of both TOC measured as methane for each grid and the volume concentration for the required TAC on a quality control sheet as shown in Figure 3. Include a topographic map drawn to scale with the location of the grids and the gas collection system clearly marked and identified.
- 2.8.2 Record the wind speed during the sampling period using the wind speed and direction monitoring system required in paragraph (d)(9) of Rule 1150.1.
- 2.8.3 Maintain and submit the results as specified in subdivision (f) of Rule 1150.1.

# 3.0 INSTANTANEOUS LANDFILL SURFACE MONITORING Subparagraph (d)(6) and (e)(3) Requirements of Rule 1150.1

### 3.1 Monitoring Area

The entire landfill disposal area shall be monitored once each calendar quarter. Any area of the landfill that the Executive Officer deems as inaccessible or dangerous for a technician to enter may be excluded from the area to be monitored by the landfill owner or operator. To exclude an area from monitoring, the landfill owner or operator shall file a petition with the Executive Officer. Such a request shall include an explanation of why the area should be excluded and photographs of the area. Any excluded area granted shall only apply to the monitoring requirement. The 500 ppmv limit specified in paragraph (d)(6) of Rule 1150.1 applies to all areas.

ALTERNATIVE: MONITORING IS NOT REQUIRED FOR THE FOLLOWING LANDFILL SURFACES: PORTIONS OF SLOPES 30 DEGREES AND GREATER, PAVED SURFACES EXCEPT FOR CRACKS, THE ACTIVE WORKING FACE, THE MAIN HAUL ROAD

AND TEMPORARY STOCKPILES FIVE (5) FEET OR MORE IN HEIGHT. A TEMPORARY STOCKPILE DOES NOT INCLUDE A CLOSED LANDFILL FINAL COVER OR CAP.

3.2 Equipment Description and Specifications

A portable FID shall be used to instantaneously measure the concentration of TOC measured as methane at any location on the landfill. The FID shall meet the specifications listed in Sections 3.2.1 through 3.2.4 and shall be kept in good operating condition.

- 3.2.1 The portable analyzer shall meet the instrument specifications provided in Section 3 of U.S. EPA Method 21, except that:
  - 3.2.1.1 "Methane" shall replace all references to VOC.
  - 3.2.1.2 A response time of 15 seconds or shorter shall be used instead of 30 seconds.
  - 3.2.1.3 A precision of 3% or better shall be used instead of 10%.

    In addition the instrument shall meet the specifications in Sections 3.2.1.4 through 3.2.1.6.
  - 3.2.1.4 A minimum detectable limit of 5 ppmv (or lower).
  - 3.2.1.5 A flame-out indicator, audible and visual.
  - 3.2.1.6 Operate at an ambient temperature of  $0 50^{\circ}$  C.
- 3.2.2 The calibration gas shall be methane, diluted to a nominal concentration of 10,000 ppmv in air for subsurface refuse boundary probe monitoring and sample analysis to comply with paragraph (e)(1) of Rule 1150.1, 50 ppmv in air for integrated sample analyses to comply with paragraph (e)(2) of Rule 1150.1 and 500 ppmv in air for instantaneous monitoring to comply with paragraph (e)(3) of Rule 1150.1.
- 3.2.3 To meet the performance evaluation requirements in Section 3.1.3 of U.S. EPA Method 21, the instrument evaluation procedures of Section 4.4 of U.S. EPA Method 21 shall be used.
- 3.2.4 The calibration procedures provided in Section 4.2 of U.S. EPA Method 21 shall be followed at the beginning of each day before commencing a surface monitoring survey.
- 3.3 Monitoring Procedures

- 3.3.1 The owner or operator shall monitor the landfill disposal area for TOC measured as methane using the described portable equipment.
- 3.3.2 The sampling probe shall be placed at a distance of 0-3 inches above any location of the landfill to take the readings.
- 3.3.3 At a minimum, an individually identified 50,000 square foot grid shall be used and a walk pattern as illustrated in Figure 2 shall be implemented including areas where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover.

ALTERNATIVE: THE LANDFILL MONITORING GRIDS ARE DIVIDED INTO THREE TYPES CONSISTING OF TYPE "A", TYPE "B" AND TYPE "C" AS REFERENCED IN THE MAP SUBMITTED 4/27/00 OR THE MOST RECENT UPDATE, WITH SHEET TITLE "PLAN-INTEGRATED SURFACE EMISSIONS MONITORING GRIDS". THE THREE TYPES OF GRIDS ARE DEFINED AS: TYPE "A" - NO EXCLUSIONS FROM SAMPLING; TYPE "B" - CONTAINING STEEP SLOPES OR STEEP SLOPES AND DENSE VEGETATION ON GRIDS 121, 122, 128, AND 130; AND TYPE "C" - THE AREA OF ACTIVE RECYCLING OPERATIONS. THE TOPOGRAPHIC MAP SHALL BE DRAWN SCALE CLEARLY IDENTIFYING TOPOGRAPHICAL FEATURES OF THE LANDFILL WITH CONTOUR LINES. THE LOCATION OF ALL MONITORING GRIDS AND THE GAS COLLECTION SYSTEM SHALL BE CLEARLY MARKED AND IDENTIFIED. THE SUBMITTED TOPOGRAPHICAL MAP WILL BE FILED IN THE APPLICATION FOLDER AND USED FOR COMPLIANCE. A SMALLER 11" BY 17" TOPOGRAPHICAL MAP IS ATTACHED TO THIS PLAN FOR FIELD REFERENCE. THE TOPOGRAPHICAL MAPS SHALL BE CONFIRMED OR UPDATED ANNUALLY BY THE OWNER/OPERATOR OR AS REQUESTED BY THE EXECUTIVE OFFICER.

MONITORING OF TYPE "A" SURFACE GRIDS SHALL BE ACCORDING TO THE RULE.

MONITORING OF TYPE "B" SURFACE GRIDS SHALL CONSIST OF MONITORING THE TOE OF GRIDS 121, 128, AND 130 AND THE TOP OF GRID 122. VACUUM READINGS FROM ALL GAS EXTRACTION WELLS LOCATED ON TYPE "B" GRIDS SHALL BE RECORDED MONTHLY AND INCLUDED IN THE QUARTERLY REPORT. GRIDS 121 AND 122 EACH DEFINED AS A TYPE "B" GRID, SHALL BE REDESIGNATED AS A TYPE "A" GRID WHEN ENOUGH ADDITIONAL REFUSE HAS BEEN PUT IN PLACE.

MONITORING OF TYPE "C" SURFACE GRIDS SHALL CONSIST OF MONITORING A COURSE OF APPROXIMATELY 2,600 LINEAR FEET BUT NOT LESS THAN 1900 LINEAR FEET EACH GRID, **EXCLUDING** STOCKPILES, EQUIPMENT AND RECYCLING EQUIPMENT. RULE 1150.1, ATTACHMENT A, FIGURE 2 SHOWS A 50,000 SQUARE FOOT GRID WALK PATTERN THAT WILL BE MODIFIED TO AVOID THE EXCLUSIONS. VACUUM READINGS FROM ALL GAS EXTRACTION WELLS LOCATED ON TYPE "C" RECYCLING GRIDS SHALL BE RECORDED MONTHLY AND INCLUDED IN THE QUARTERLY REPORT.

#### 3.4 Recording the Results

- 3.4.1 Record the location and concentration of TOC measured as methane for any instantaneous reading of 500 ppmv or greater on a topographic map of the landfill, drawn to scale with the location of both the grids and the gas collection system clearly marked and identified.
- 3.4.2 Maintain and submit the results as specified in subdivision (f) of Rule 1150.1.

## 4.0 LANDFILL GAS SAMPLE FROM GAS COLLECTION SYSTEM Subparagraph (e)(4) Requirement of Rule 1150.1

4.1 Number of Samples

Collect one monthly sample of landfill gas for analysis from the main gas collection header line entering the gas treatment and/or gas control system(s).

4.2 Sampling Procedure

Collect approximately a 10-liter sample in a Tedlar bag or equivalent container over a continuous ten-minute period.

4.3 Analytical Procedures

Samples collected shall be analyzed no later than 72 hours after collection for TOC using U.S. EPA Method 25, 40 CFR, Part 60, Appendix A analysis and for the TAC specified in Table 1 and upon written request, Table II, using U.S. EPA Compendium Method TO-14.

4.4 Chain of Custody (Required for samples sent to the lab)

A custody sheet shall accompany the bag samples. Each time a bag changes hands, it shall be logged on the custody sheet with the time of custody transfer recorded. Laboratory personnel shall record the condition of the sample (full, three-fourths full, one-half full, one-fourth full, or empty). An example of a custody sheet is shown in Figure 4.

#### 4.5 Recording the Results

- 4.5.1 Record the volume concentration of both TOC measured as methane and the volume concentration for the required TAC on a quality control sheet as shown in Figure 3. Include a topographic map drawn to scale with the location of the gas collection and control system clearly marked and identified.
- 4.5.2 Maintain and submit the results as specified in subdivision (f) of Rule 1150.1.

## 5.0 AMBIENT AIR SAMPLES AT THE LANDFILL PROPERTY BOUNDARY Subparagraph (e)(5) Requirement of Rule 1150.1

5.1 Number of Samples

Monthly ambient air samples shall be collected for analysis at the landfill property boundary from both an upwind and downwind sampler sited to provide good meteorological exposure to the predominant offshore (drainage land breeze) and onshore (sea breeze) wind flow patterns. The upwind and downwind samples shall be collected simultaneously over two 12 hour periods beginning between 9:00 a.m. and 10:00 a.m., and 9:00 p.m. and 10:00 p.m. on the same day or different days.

5.2 Ambient Air Sampling Conditions

Ambient air sampling shall be conducted on days when stable (offshore drainage) and unstable (onshore sea breeze) meteorological conditions are representative for the season. Preferable sampling conditions are characterized by the following meteorological conditions:

- 5.2.1 Clear cool nights with wind speeds of two miles per hour or less, and
- 5.2.2 Onshore sea breezes with wind speeds ten miles per hour or less.

No sampling will be conducted if the following adverse meteorological conditions exist:

- 5.2.3 Rain,
- 5.2.4 Average wind speeds greater than 15 miles per hour for any 30-minute period, or
- 5.2.5 Instantaneous wind speeds greater than 25 miles per hour.

Continuously recorded on-site wind speed and direction measurements required in paragraph (d)(9) of Rule 1150.1 will characterize the micrometeorology of the site and serve to verify that the meteorological criteria have been met during sampling.

5.3 Ambient Air Sampler Equipment Description

An ambient air sampling unit consists of a 10-liter Tedlar bag, a DC-operated pump, stainless steel capillary tubing to control the sample rate to the bag, a bypass valve to control the sample flow rate (and minimize back pressure on the pump), a Rotameter for flow indication to aid in setting the flow, a 24-hour clock timer to shut off the sampler at the end of the 24-hour sampling period, and associated tubing and connections (made of stainless steel, Teflon, or borosilicate glass to minimize contamination and reactivity). The physical layout of the sampler is shown in Figure 5.

An alternate ambient air sampler may be used, provided that the landfill owner or operator can show an equivalency with the sampler specifications in Section 5.3 and shown in Figure 5. All alternatives shall be submitted as specified in subdivision (i) of Rule 1150.1.

5.4 Ambient Air Sampler Equipment Specifications

The equipment used when conducting air samples at any landfill property boundary shall meet the following specifications:

5.4.1 Power: one 12V DC marine battery. The marine battery provides 12V DC to the pump and the clock.

- 5.4.2 Pump: one 12V DC pump. The diaphragm shall be made of non-lubricated Viton rubber. The maximum pump unloaded flow rate shall be 4.5 liters per minute.
- 5.4.3 Bag: One 10-liter Tedlar bag with a valve. The Tedlar bag shall be enclosed in a LIGHT-SEALED CONTAINER. The valve is a push-pull type constructed of aluminum and stainless steel, with a Viton or Buna-N (butadiene acrylonitrile co-polymer) o-ring seal.
- 5.4.4 Rotameter made of borosilicate glass and has a flow range of 3-to-50 cubic centimeters per minute. The scale is in millimeters (mm) with major graduations (labeled) every 5 mm and minor graduations every 1 mm.
- 5.4.5 Air flow control orifice: 316 stainless steel capillary tubing.
- 5.4.6 Bypass valve.
- 5.4.7 Fittings, tubing, and connectors -- 315 stainless steel or Teflon.
- 5.4.8 Clock timer with an accuracy of better than 1%.
- 5.5 Ambient Air Sample Analytical Procedures
  Samples collected must be analyzed no later than 72 hours after collection for
  TOC using U.S. EPA Method 25, 40 CFR, Part 60, Appendix A analysis or a
  portable FID that meets the requirements in Section 3.2 and for the TAC specified
  in Table 1 and upon written request, Table II, using U.S. EPA Compendium
  Method TO-14.
- 5.6 Chain of Custody (Required for samples sent to the lab)

  A custody sheet shall accompany the bag samples. Each time a bag changes hands, it shall be logged on the custody sheet with the time of custody transfer recorded. Laboratory personnel shall record the condition of the sample (full, three-fourths full, one-half full, one-fourth full, or empty). An example of a custody sheet is shown in Figure 4.

### 5.7 Recording the Results

5.7.1 Record the volume concentration of TOC measured as methane and the volume concentration of TAC for each sample on a quality control sheet as shown in Figure 3. Include a topographic map drawn to scale with the location of both the upwind and downwind samplers and the gas collection and control system clearly marked and identified.

- 5.7.2 Record the wind speed and direction during the 24-hour sampling period using the wind speed and direction monitoring system required in paragraph (d)(9) of Rule 1150.1.
- 5.7.3 Maintain and submit the results as specified in subdivision (f) of Rule 1150.1.

(Amended March 17, 2000)

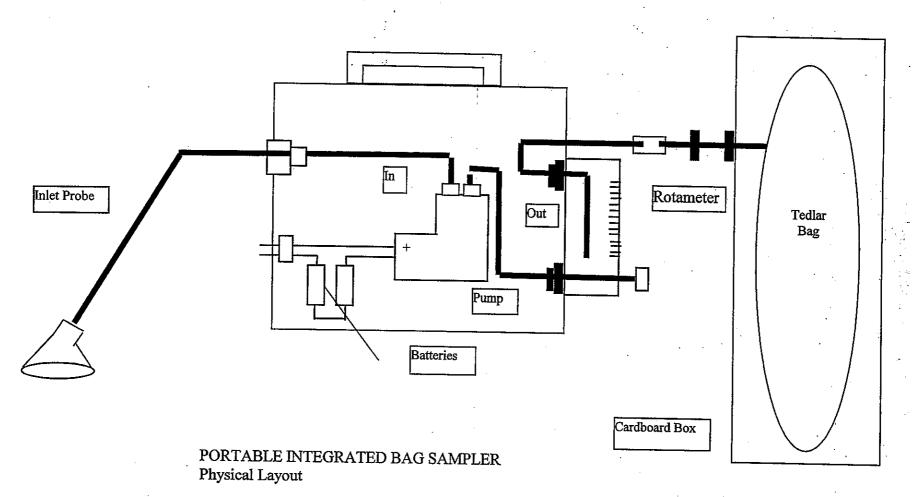


Figure 1

Typical Landfill Walk Pattern for a 50,000 Square Foot Grid

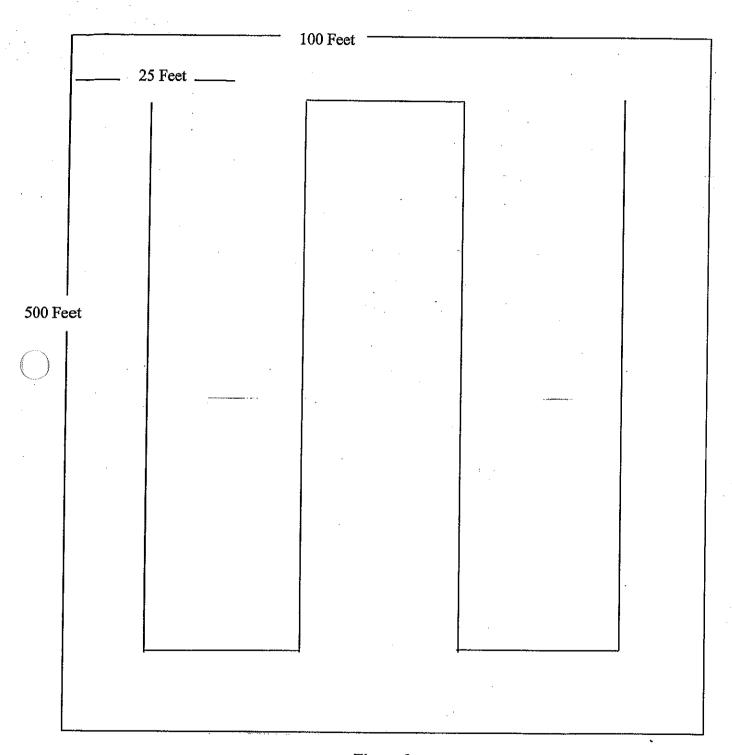


Figure 2

(Amended March 17, 2000)

#### **QUALITY CONTROL SHEET**

- Prior to use, the Tedlar bag system shall be leak checked, evacuated and filled with purified nitrogen three times to flush out the old sample.
- All samples must be kept in LIGHT-SEALED CONTAINERS to avoid photochemical reactions.

| visca i visc    |      | Ö)PDRAVITI(Ö) | N]         |             |       | · iBA(G)      | SAGMERIJIE(S)        |                  | (COMIMEINTIS |
|-----------------|------|---------------|------------|-------------|-------|---------------|----------------------|------------------|--------------|
| Grid or probe # | Date | Wind<br>Speed | Time<br>On | Time<br>Off | I.D.# | Valve<br>Open | Rotameter<br>Reading | Pump<br>(On/Off) |              |
|                 |      |               |            |             |       |               |                      |                  |              |
|                 |      |               |            |             |       |               |                      |                  |              |
|                 |      |               |            |             |       |               |                      |                  |              |
|                 |      |               |            |             |       |               |                      |                  |              |
|                 |      |               |            |             |       |               |                      |                  |              |
|                 |      |               |            |             |       |               |                      |                  |              |
| Signature       | •    |               |            |             | •     |               |                      |                  |              |

Figure 3

Alternative Compliance Plan For Bradley Landfill, Issue No. 3 Rule 1150.1 (Cont.) (Attachment A Continued)

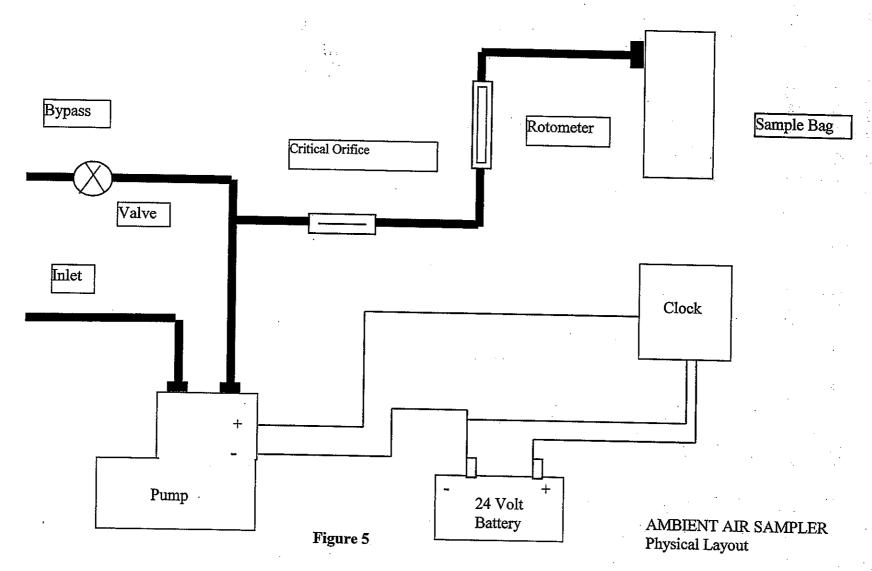
(Amended March 17, 2000)

### BAG SAMPLE CUSTODY FORM

| Project                    |           |                                       | <del> </del> | Date: | ·           |      |
|----------------------------|-----------|---------------------------------------|--------------|-------|-------------|------|
|                            |           | · · · · · · · · · · · · · · · · · · · |              |       |             |      |
| Bag (I.D. #)               |           |                                       |              |       |             | <br> |
| Condition Received in Lab* |           |                                       |              |       |             |      |
|                            | Bags Prep | pared By:                             |              | ·     | Time:       |      |
|                            |           | en Out By:                            |              |       | Date: Time: | -    |
|                            |           | en to Lab By<br>eived In Lab By:      |              |       | Time        | •    |

Figure 4

<sup>\*</sup> F = 1/2 full to full, 0 = Overfull (Bulging), L = 1/4 to 1/2 full, E = Less than 1/4 full but contains some sample, N = No sample at all.



1150.1 - 39

# TABLE 1 - CARCINOGENIC AND TOXIC AIR CONTAMINANTS (Core Group)

## Paragraph (e)(2), Subparagraphs (k)(3)(F) and (k)(3)(G) Requirements of Rule 1150.1

| 1.  | Benzene                                   | $C_6H_6$                             |
|-----|---|--------------------------------------|
| 2.  | Benzyl Chloride                           | $C_6H_5H_2C1$                        |
| 3.  | Chlorobenzene                             | C <sub>6</sub> H <sub>5</sub> C1     |
| 4.  | 1,2 Dibromoethane (Ethylene Dibromide)    | BrCH <sub>2</sub> CH <sub>2</sub> Br |
| 5.  | Dichlorobenzene                           | $C_6H_4C1_2$                         |
| 6.  | 1,1 Dichloroethane (Ethylidene Chloride)  | CH₃CHC1 <sub>2</sub>                 |
| 7.  | 1,2 Dichloroethane (Ethylene Dichloride)  | $C1H_2H_2C1$                         |
| 8.  | 1,1 Dichloroethene (Vinylidene Chloride)  | $CH_2:CC1_2$                         |
| 9.  | Dichloromethane (Methylene Chloride)      | $CH_2C1_2$                           |
| 10. | Hydrogen Sulfide                          | $H_2S$                               |
| 11. | Tetrachloroethylene (Perchloroethylene)   | $C1_2C:CC1_2$                        |
| 12. | Tetrachloromethane (Carbon Tetrachloride) | CC1 <sub>4</sub>                     |
| 13. | Toluene                                   | $C_6H_5CH_3$                         |
| 14. | 1,1,1 Trichloroethane (Methyl Chloroform) | CH <sub>3</sub> CC1 <sub>3</sub>     |
| 15. | Trichloroethylene                         | CHC1: CC1 <sub>2</sub>               |
| 16. | Trichloromethane (Chloroform)             | CHC <sub>13</sub>                    |
| 17. | Vinyl Chloride                            | CH <sub>2</sub> : CHC1               |
| 18. | Xylene                                    | $C_6H_4(CH_3)_2$                     |
|     |   |                                      |

## TABLE 2 - CARCINOGENIC AND TOXIC AIR CONTAMINANTS (Supplemental Group)

Paragraph (e)(2), Subparagraphs (k)(3)(F) and (k)(3)(G) Requirements of Rule 1150.1

| 1.  | Acetaldehyde                      | СН3СНО          |
|-----|-----------------------------------|-----------------|
| 2.  | Acrolein                          | СН2СНСНО        |
| 3.  | Acrylonitrile                     | H2C: CHCN       |
| 4.  | Allyl Chloride                    | H2C: CHCH2C1    |
| 5.  | Bromomethane (Methyl Bromide)     | CH3Br           |
| 6.  | Chlorinated Phenols               |                 |
| 7.  | Chloroprene                       | H2C: CHCC1: CH2 |
| 8.  | Cresol                            | СН3С6Н4ОН       |
| 9.  | Dialkyl Nitrosamines              |                 |
| 10. | 1,4 - Dioxane                     | OCH2CH2OCH2CH2  |
| 11. | Epichlorohydrin                   | CH2OCHCH2C1     |
| 12. | Ethylene Oxide                    | CH2CH2O         |
| 13. | Formaldehyde                      | НСНО            |
| 14. | Hexachlorocyclopentadiene         | C5C16           |
| 15. | Nitrobenzene                      | C6H5NO2         |
| 16. | Phenol                            | С6Н5ОН          |
| 17. | Phosgene                          | COC12           |
| 18. | Polychlorinated Dibenzo-P-Dioxin  |                 |
| 19. | Polychlorinated Dibenzo Furan     |                 |
| 20. | Polychlorinated Biphenols         |                 |
| 21. | Polynuclear Aromatic Hydrocarbons |                 |
| 22. | Propylene Oxide                   | СН2-СН-СН3      |
| 23. | Tetrahydrothiophene               | CH2CH2CH2CH2S   |
| 24. | Thiophene                         | CHCHCHCHS       |
|     |                                   |                 |

#### Attachment B

TITLE 27. Environmental Protection

Division 2. Solid Waste

Subdivision 1. Consolidated Regulations for Treatment, Storage, Processing or Disposal of Solid

Chapter 3. Criteria for All Waste Management Units, Facilities, and Disposal Sites
Subchapter S. Closure and Post-Closure Maintenance
Article 2. Closure and Post-Closure Maintenance Standards for Disposal Sites and
Landfills

§21140. Section CIWMB -- Final Cover. (Tl4:§17773)

- (a) The final cover shall function with minimum maintenance and provide waste containment to protect public health and safety by controlling at a minimum, vectors, fire, odor, litter and landfill gas migration. The final cover shall also be compatible with postclosure land use.
- (b) In proposing a final cover design meeting the requirements under §21090, the owner or operator shall assure that the proposal meets the requirements of this section. Alternative final cover designs shall meet the performance requirements of ¶(a) and, for MSWLF units, 40 CFR 258.60(b); shall be approved by the enforcement agency for aspects of ¶(a).
- (c) The EA may require additional thickness, quality, and type of final cover depending on, but not limited to the following:
- (1) a need to control landfill gas emissions and fires;
- (2) the future reuse of the site; and
- (3) provide access to all areas of the site as needed for inspection of monitoring and control facilities, etc.

#### NOTE

Authority cited: Sections 40502 and 43020, Public Resources Code; and Section 66796.22 (d), Government Code. Reference: Sections 43021 and 43103, Public Resources Code; and Section 66796.22(d), Government Code.

#### HISTORY

1. New section filed 6-18-97; operative 7-18-97 (Register 97, No. 25).

#### Attachment C

TITLE 27. Environmental Protection

Division 2. Solid Waste

Subdivision 1. Consolidated Regulations for Treatment, Storage, Processing or Disposal of Solid

Chapter 3. Criteria for All Waste Management Units, Facilities, and Disposal Sites Subchapter 2. Siting and Design
Article 2. SWRCB — Waste Classification and Management
§20200. SWRCB — Applicability and Classification Criteria. (CI5: §2520)

- (a) Concept--This article contains a waste classification system which applies to solid wastes that cannot be discharged directly or indirectly to waters of the state and which therefore must be discharged to waste management units (Units) for treatment, storage, or disposal in accordance with the requirements of this division. Wastes which can be discharged directly or indirectly (e.g., by percolation) to waters of the state under effluent or concentration limits that implement applicable water quality control plans (e.g., municipal or industrial effluent or process wastewater) are not subject to the SWRCB-promulgated provisions of this division. This waste classification system shall provide the basis for determining which wastes may be discharged at each class of Unit. Waste classifications are based on an assessment of the potential risk of water quality degradation associated with each category of waste.
- (1) The waste classifications in this article shall determine where the waste can be discharged unless the waste does not consist of or contain municipal solid waste (MSW) and the discharger establishes to the satisfaction of the RWQCB that a particular waste constituent or combination of constituents presents a lower risk of water quality degradation than indicated by classification according to this article.
- (2) Discharges of wastes identified in §20210 or §20220 of this article shall be permitted only at Units which have been approved and classified by the RWQCB in accordance with the criteria established in Article 3 of this subchapter, and for which WDRs have been prescribed or waived pursuant to Article 4, Subchapter 3, Chapter 4 of this subdivision (§21710 et seq.). Table 2.1 (of this article) presents a summary of discharge options for each waste category.
- (b) Dedicated Units/Cells For Certain Wastes--The following wastes shall be discharged only at dedicated Units [or dedicated landfill cells (e.g., ash monofill cell)] which are designed and constructed to contain such wastes:
- (1) wastes which cause corrosion or decay, or otherwise reduce or impair the integrity of containment structures;
- (2) wastes which, if mixed or commingled with other wastes can produce a violent reaction (including heat, pressure, fire or explosion), can produce toxic byproducts, or can produce any reaction product(s) which:
- (A) requires a higher level of containment;
- (B) is a restricted waste; or
- (C) impairs the integrity of containment structures.
- (c) Waste Characterization--Dischargers shall be responsible for accurate characterization of

wastes, including determinations of whether or not wastes will be compatible with containment features and other wastes at a Unit under ¶(b), and whether or not wastes are required to be managed as hazardous wastes under Chapter 11 of Division 4.5 of Title 22 of this code. (d) Management of Liquids at Landfills and Waste Piles--The following requirements apply to discharges of liquids at Class II waste piles and at Class II and Class III landfills, except as otherwise required for MSW landfills by more-stringent state and federal requirements under SWRCB Resolution No. 93-62 section 2908 of Title 23 of this Code (see 40CFR258.28) [Note: see also definitions of "leachate" and "landfill gas condensate" in §20164]:

(1) [Reserved.];

(2) wastes containing free liquids shall not be discharged to a Class II waste pile. Any waste that contains liquid in excess of the moisture-holding capacity of the waste in the Class II landfill, or which contains liquid in excess of the moisture-holding capacity as a result of waste management operations, compaction, or settlement shall only be discharged to a surface impoundment or to another Unit with containment features equivalent to a surface impoundment; and (3) liquids or semi-solid waste (i.e., waste containing less than 50 percent solids, by weight), other than dewatered sewage or water treatment sludge as described in §20220(c), shall not be discharged to Class III landfills. Exceptions may be granted by the RWQCB if the discharger can demonstrate that such discharge will not exceed the moisture-holding capacity of the landfill, either initially or as a result of waste management operations, compaction, or settlement, so long as such discharge is not otherwise prohibited by applicable state or federal requirements.

# APPENDIX B SUBSURFACE PERIMETER PROBE MONITORING

- Field Sheets
- Laboratory Analysis
- Sample Chain-of-Custody
- Instrumentation Calibration

| EQUIPMENT      | "USED: Landid                    | се Септ 500                            | (Seria       | 1 No. 341               | )  |              |          | BAROMETRI                 | C (before); 29                    | 83"               |
|----------------|----------------------------------|--|--------------|-------------------------|--|--------------|----------|---------------------------|-----------------------------------|-------------------|
|                | AN: E. M                         |  | EZ           |                         |  |              |          | BAROMETRI                 | C (after): _ 29.                  | <u>81</u>         |
|                | 4/1/04                           |  |              | DATE:                   |  |              |          | υλτ <del>τ</del> .:       |                                   |                   |
| START TIME     | 1300                             | HRS.<br>HRS.                           | <del>-</del> | START TIME              | <u>-</u>   | *****        |          | START TIME<br>FINISH TIME |                                   |                   |
| PROBE I.D      | STATIC:<br>PRESSURE<br>(in W.C.) | TOC (%CII <sub>d</sub> )               |              | PROBE LD.               | STATIC<br>PRESSURE<br>(in W.C.)                      | TOC (%CHJ)   |          | PROBE I.D.                | STATIC<br>PRESSURE<br>(in W.C.)   | TOC:<br>(%CH4)    |
| W-18           |                                  |  |              | S-1A                    |  |              | [        | E 1                       |                                   |                   |
| W-1M           |                                  |  | ]            | S-2H                    |  |              |          | E-28                      |                                   |                   |
| 3V-1D          |                                  | L                                      | ] :          | S-3S                    |  |              |          | E-2M                      |                                   |                   |
| W-ZA           | <b>\$</b> .                      | MD                                     | ]            | S-3M1                   |  |              |          | E-21)                     |                                   |                   |
| 17233          |                                  |  |              | S-3M2                   |  |              |          | E-3                       | 7                                 |                   |
| W-38           |                                  |  | 1            | S-3D                    |  |              | )        | E-4                       |                                   |                   |
| W.3M           | <i>≠</i> -                       | ND                                     | <u>၂</u>     | S-4                     |  |              |          | E-58                      |                                   |                   |
| W-3D           | +13"                             | ND.                                    | ]            | 8-5                     |  |              | ן (ז     | E-5M                      |                                   |                   |
| W-4            |                                  |  | ][           | S-68                    |  |              | i i      | E-5D                      |                                   |                   |
| W-58           |                                  |  | ]            | S-6M1                   |  |              |          | É-6                       |                                   |                   |
| W-5M           |                                  |  | ]            | S-6M2                   |  |              |          | E-7                       |                                   |                   |
| W-5D           | +13"                             | ND                                     | ]]           | S-6D                    |  |              |          | E-88                      |                                   |                   |
| W-6            |                                  |  | ]            | S-7                     |  |              |          | K-8M                      |                                   |                   |
| W-78           |                                  |  | ]]           | S-8                     |  |              |          | E-8D                      |                                   |                   |
| 11-7M          |                                  |  | ]] ]         | S 9S-R                  |  |              |          | E-9                       |                                   |                   |
| W-7D           | +·("                             | MD                                     | ]            | S-9M1-R                 |  |              |          | E-10                      |                                   |                   |
| W 8            |                                  |  | JI I         | S-9M2-R                 |  |              |          | E-115-R                   |                                   |                   |
| IV-9A          |                                  |  |              | S-9D-R                  |  |              |          | E-11M-R                   |                                   |                   |
| 1V.9B          |                                  |  |              | S-10R                   |  |              |          | E-11D-R                   |                                   |                   |
| W-108          |                                  |  | ]            | S-11R                   |  |              |          | E-12                      |                                   |                   |
| W-10M          | 4.3"                             | ND                                     | <u> </u>     | S-12                    |  |              |          | F. 13                     |                                   |                   |
| W-10D          | +16"                             | ND                                     |              |                         |  |              |          | E-148                     |                                   |                   |
| V-11           |                                  |  |              |                         |  |              |          | E-14M                     |                                   |                   |
| W-128          |                                  |  |              |                         |  |              |          | E-14D                     |                                   |                   |
| W-12M          |                                  |  | . [          |                         |  |              |          |                           |                                   |                   |
| W-12D          |                                  |  |              |                         |  |              |          |                           |                                   |                   |
| W-13           |                                  | <del>~</del>                           |              | <u> </u>                |  |              |          |                           |                                   |                   |
| W-14S          |                                  |  |              |                         | ·  |              |          |                           |                                   |                   |
| W-14M<br>W-14D |                                  | ·                                      |              |                         |  |              |          |                           |                                   |                   |
| 11-140         |                                  |  |              |                         |  |              | <u> </u> |                           |                                   |                   |
| Monitoring     | Protocol:                        |  | A. Se        | ction J.3.J. 1          | s conducted in<br>Prior to sampli<br>tration remains | ig each prob | oe is ev | acuated unti              | ulo 1150.1, At<br>il the Total Or | tachment<br>ganic |
| Comments:      | GEM-50                           | 0 Сајјвra                              | TEDT         | TO 2.5% CH <sub>4</sub> | ı  |              |          |                           |                                   |                   |
|                | * Subn                           | nitted for la                          | aborat       | ory analyse             | s.   |              |          | w                         |                                   |                   |
|                |                                  |  | ****         | ,,                      |  |              |          |                           |                                   | <del></del>       |
|                | <del></del> -                    | ······································ |              |                         |  | ···          |          |                           | ·                                 |                   |

Revised 8/16/02

ND

NO

NO

72 7118

### BRADLEY LANDFILL GAS PROBE READING

|     |                             | USED: Limito                    | Com 500 (8                 | Serial No. 341              | )                               |                            | BAROMETRI<br>BAROMETRI    | C (before): <u> </u>             | 73"           |
|-----|-----------------------------|---------------------------------|----------------------------|-----------------------------|---------------------------------|----------------------------|---------------------------|----------------------------------|---------------|
|     | DATE: 4                     | 12/04                           |                            | DATE:                       | 4/2/04                          | <u> </u>                   | DATE: 4                   | 1/2/04                           | · · · .       |
|     | START TIME:<br>FINISH TIME: | 1315 H                          | 05.                        | START TIME:<br>FINISH TIME: | 1407H2                          | . <u>\$.</u><br>           | START TIME<br>FINISH TIME | 1415H                            | 25.<br>25.    |
|     | PROBE I.D.                  | STATIC<br>PRESSURE<br>(In W.C.) | TOC<br>(%CH <sub>4</sub> ) | PROBE I.D.                  | STATIC<br>PRESSURE<br>(in W.C.) | TOC<br>(%CH <sub>4</sub> ) | PROBE LD.                 | STATIC:<br>PRESSURE<br>(in W.C.) | TOC<br>(%CH4) |
|     | W-18                        |                                 |                            | S-1A                        | · ·                             |                            | [ <u>]</u> -1             | #                                | J.D           |
|     | W-1M                        |                                 |                            | S-2B                        |                                 |                            | E-28                      |                                  |               |
|     | W-1D                        |                                 |                            | S-3S                        |                                 |                            | F-2M                      |                                  |               |
|     | W-ZA                        | a\$                             | ND                         | 8-3M1                       |                                 |                            | K-2D                      |                                  |               |
|     | W2B                         |                                 |                            | S-3M2                       | ·                               |                            | E-3                       |                                  |               |
|     | W-35                        |                                 |                            | S-3D                        |                                 |                            | Ľ-4                       |                                  |               |
|     | W-3M                        | -1/H                            | ND                         | 8-4                         |                                 |                            | E-58                      |                                  |               |
|     | W-3D                        | -12"                            | ND                         | S-5                         |                                 |                            | E-SM                      |                                  |               |
|     | W-4                         |                                 |                            | S-68                        |                                 |                            | E-50                      |                                  |               |
|     | W-58                        |                                 |                            | 8-6M1                       |                                 |                            | E-6                       |                                  |               |
|     | W-5M                        |                                 |                            | S-6M2                       |                                 |                            | E-7                       |                                  |               |
|     | W-5D                        | 24                              | ND                         | S-6D                        |                                 |                            | E-88                      |                                  |               |
|     | W-6                         |                                 |                            | <b>S-7</b>                  |                                 |                            | E-8M                      | #                                | ND            |
|     | W-78                        |                                 |                            | S-8                         |                                 |                            | E-8D                      |                                  | <del></del>   |
| i   | ₩-7M                        |                                 |                            | 8-98-R                      |                                 |                            | E-9                       |                                  |               |
| 1   | W-7D                        | 4 *                             | ND                         | S-9M1-R                     |                                 |                            | E-18                      |                                  |               |
| No. | W-8                         |                                 |                            | S-9M2-R                     |                                 |                            | F-11S-R                   |                                  |               |
|     | W-9A                        |                                 |                            | \$-9D-R                     |                                 |                            | E-11M-R                   |                                  |               |
| 1   | W-98                        |                                 |                            | S-10R                       |                                 |                            | E-11D-R                   |                                  | MD            |
|     | W-108                       |                                 |                            | S-11R                       |                                 |                            | E-12                      |                                  | / <del></del> |

Monitoring Protocol:

m. 1"

W-10M

W-10D

W-11

W-12S

W-12M W-12D W-13 W-14S

W-14M W-14D

Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A. Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.

| Comments: | GEM-500 CALIBRATED TO 2.5% CH.                         |  |
|-----------|--|--|
|           | <ul> <li>Submitted for laboratory analyses.</li> </ul> | A. M. C. |
|           |  |  |
|           |  |  |
|           |  |  |

Revised 8/16/02

Project No. 07199027.00

ND

ND

F-13

E-148

E-14M

E-14D

-. 2"

|                           | •                               |                            | SEVE LAMBLES PAR.         | RALANA CHURKY                           | 1 10(/1)                               | A WARANES AT A A          | ж   |                            |
|---------------------------|---------------------------------|----------------------------|---------------------------|---|--|---------------------------|---|----------------------------|
|                           | USED: Land                      |                            | (Serial No. 341           | <b>)</b>                                |  | BAROMETR<br>BAROMETR      | IC (belore): <b>30</b><br>IC (aller): <u> <b>30</b></u> | 0.00"                      |
|                           |                                 |                            |                           |   |  |                           |   |                            |
|                           | 1/5/04                          |                            | DATE:                     | ·                                       | T1 44 - 7500                           | DATE:                     | ·   |                            |
| START TIME<br>FINISH TIME | 1310 H                          | 125,<br>125,               | START TIME<br>FINISH TIME | *************************************** | · ···· · · · · · · · · · · · · · · · · | START TIME<br>FINISH TIME | :<br>!  |                            |
| PROBE LD.                 | STATIC<br>PRESSURE<br>(in W.C.) | TOC<br>(%CH <sub>4</sub> ) | PROBE I.D.                | STATIC<br>PRESSURE<br>(in W.C.)         | TOC<br>(%CH <sub>4</sub> )             | PROBL I.D.                | STATIC<br>PRESSURE<br>(In W.C.)                         | TOC<br>(%CH <sub>d</sub> ) |
| W-15                      |                                 |                            | 8-1A                      |   | ·                                      | E-1                       |   |                            |
| W-1M                      |                                 |                            | S-2B                      |   |  | E-2S                      |   |                            |
| W-1D                      |                                 |                            | S-3S                      |   |  | E-2M                      |   |                            |
| W-2A                      | #                               | ND                         | S-3M1                     |   |  | E-2D                      |   |                            |
| WZB                       |                                 |                            | \$-3M2                    |   |  | F-3                       |   |                            |
| W-3S                      |                                 |                            | S-3D                      | 1                                       |  | E-4                       |   |                            |
| W-3M                      | -1"                             | ND                         | 5-4                       |   |  | E-58                      |   |                            |
| W-3D                      | /"                              | ND                         | S-5                       |   |  | E-5M                      |   |                            |
| W-4                       |                                 |                            | S-6S                      |   |  | E-5D                      |   |                            |
| W-58                      |                                 |                            | 3-6M1                     |   |  | E-6                       |   |                            |
| W-5M                      |                                 |                            | S-6M2                     |   |  | E-7                       |   | <del>,</del>               |
| W-5D                      | 2"                              | NO                         | S-6D                      |   |  | E-85                      |   |                            |
| W-6                       | -                               |                            | S-7                       |   |  | E-8M                      |   |                            |
| W-7S                      |                                 |                            | S-8                       |   |  | K-RD                      |   |                            |
| W-7M                      |                                 |                            | S-98-R                    |   |  | E-9                       |   |                            |

S-9M1-R

5-9M2-R

S-9D-R

S-10R

5-11R

S-12

NO

ND

**Monitoring Protocol:** 

₩-7D

W-8

W-9A

W-9B

W-10S

W-10M

W-10D

W-11

W-128

W-12M W-12D W-13 W-148 W-14M W-14D

Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.

| Comments:                             | GEM-500 CALIBRATED TO 2.5% CH.     |
|---------------------------------------|------------------------------------|
|                                       | Submitted for laboratory analyses. |
| · · · · · · · · · · · · · · · · · · · |                                    |
|                                       |                                    |
|                                       |                                    |

Revised 8/16/02

Project No. 07199027.00

E-10

E-118-R

E-11M-R

E-11D-R

E-12

E-13

12-148

E-14M

F-14D

| EQUIPMENT USED: Limidice Gern 500 (Serial No. 3/// | ROBE READING   |
|--|--|
| TECHNOIAN: E. MARTINEZ                             | BAROMETRIC (before): 30.05" BAROMETRIC (after): 30.04" |
| DATE: 4/4/04 DATE: 4/4/04                          | ,  |
| START TIME: 1230 HOS. START TIME: 1812 HOS         | DATE: 1/4/04   |
| STATIC FINISH TIME: 1815 HPS                       | START TIME: 1320 HRS.  FINISH TIME: 1355 HRS           |

| 17       |    |                                 | 67. KAZIL                             |
|----------|----|---------------------------------|---------------------------------------|
| PROBE I. | D, | STATIC<br>PRESSURE<br>(in W.C.) | TOC<br>(%CH <sub>4</sub> )            |
| W-18     |    |                                 | -                                     |
| W-1M     | 7  |                                 | <del> </del>                          |
| W-1D     | 7  |                                 | <del></del>                           |
| W-2A     | 7  | 4                               | WD                                    |
| WZB      | 7  |                                 | 1 772                                 |
| W-38     | 7  |                                 | <del> </del>                          |
| W-3M     | 7  | -1/11                           | 10                                    |
| W-3D     | 7  | 3"                              | 10                                    |
| W4       | T  |                                 |                                       |
| W-SS     | T  |                                 | <del> </del>                          |
| W-5M     | 1  |                                 |                                       |
| W-SD     | T  | 44                              | NO                                    |
| W.6      | T  |                                 |                                       |
| W-78     | T  |                                 |                                       |
| W-7M     | Τ  |                                 |                                       |
| W-7D     | 1- | -,6"                            | ND                                    |
| W-8      |    |                                 | 742                                   |
| W-9A     |    |                                 |                                       |
| W-9B     |    |                                 |                                       |
| W-105    |    |                                 |                                       |
| W-10M    |    | -14"                            | ND                                    |
| W-10D    |    | #                               | ND                                    |
| W-11     |    |                                 |                                       |
| W-128    |    |                                 |                                       |
| W-12M    | -  |                                 |                                       |
| W-12D    |    |                                 | · · · · · · · · · · · · · · · · · · · |
| W-13     |    |                                 |                                       |
| W-14S    | _  | 4                               | ND                                    |
| W-14M    |    | -                               |                                       |
| W-14D    |    |                                 |                                       |

| PROBE LD | STATIC<br>PRESSURE<br>(in W.C.) | TOC<br>(%CH <sub>4</sub> ) |
|----------|---------------------------------|----------------------------|
| 5-1A     |                                 |                            |
| S-2B     |                                 |                            |
| S-3S     |                                 |                            |
| S-3M1    |                                 |                            |
| 8-3M2    |                                 |                            |
| S-3D     |                                 |                            |
| 8-4      |                                 |                            |
| S-5      |                                 |                            |
| 5-68     |                                 |                            |
| S-6M1    |                                 |                            |
| S-6M2    |                                 | <u> </u>                   |
| S-6D     |                                 |                            |
| S-7      |                                 |                            |
| 5-8      | ·                               | <del></del>                |
| S-9S-R   |                                 |                            |
| S-9M1-R  |                                 |                            |
| S-9M2-R  |                                 | -                          |
| S-9D-R   |                                 |                            |
| S-16R    |                                 |                            |
| S-11R    |                                 |                            |
| S-12     | #                               | ND                         |
|          |                                 |                            |
|          |                                 |                            |
|          |                                 |                            |
|          |                                 |                            |
|          |                                 |                            |
|          |                                 |                            |
|          |                                 | <del></del>                |
|          |                                 | <del></del> #              |
|          |                                 |                            |

| īř  |         |    | . <u> </u>                            | '.F.           | 727 <sub></sub>                               |                       |
|-----|---------|----|---------------------------------------|----------------|---|-----------------------|
|     | PROBE I | D, | STATIC<br>PRESSUR<br>(in W.C.)        | E              | TO<br>(%C                                     | C<br>H <sub>4</sub> ) |
| IL. | E.1     |    | -4                                    | -              | NE  | <del></del>           |
| L   | E-2S    |    |                                       | _              | 740   |                       |
| IL. | E-2M    |    |                                       | 7              |   |                       |
| L   | F-2D    | ٦  |                                       |                |   |                       |
| L   | E-3     |    |                                       |                |   |                       |
| L   | E-4     | 7  |                                       | -+             |   |                       |
|     | E-SS    | 7  |                                       | +              |   |                       |
| L   | E-5M    | 7  | -                                     | +              |   |                       |
| L   | E-5D    | T  |                                       | +              |   | {                     |
| L   | É-6     | T  |                                       | +              |   |                       |
| L   | K-7     | Т  | · · · · · · · · · · · · · · · · · · · | +              |   |                       |
| L   | R-88    | 7  |                                       | -              |   |                       |
|     | E-8M    | Τ  | #                                     | 十              | NO  |                       |
| L   | E-8D    | T  | ·                                     | ~}~            | 7462  |                       |
| L   | E-9     | T  |                                       | +              |   | ┈                     |
| L   | E-10    | T  | ·                                     | 1              |   |                       |
|     | 8-11S-R |    |                                       | ╅╌             |   |                       |
| 1   | -11M-R  | Т  |                                       | 1-             |   |                       |
| I   | -11D-R  | Г  | -1611                                 | 1-             | ND  |                       |
|     | E-12    |    |                                       | †              | , <u>, , , , , , , , , , , , , , , , , , </u> |                       |
|     | E-13    | Γ  |                                       | 1-             |   |                       |
|     | E-148   |    |                                       | ┼~             |   |                       |
|     | E-14M   |    | #                                     | <del> </del>   | 41/2  |                       |
|     | E-14I)  |    | - 13"                                 | <del>  -</del> | ND  |                       |
| ,   |         |    |                                       |                |   | {                     |
|     |         |    |                                       | -              |   |                       |
|     |         | ~- |                                       | -              |   | -                     |
|     |         |    | , ,                                   |                |   | -                     |
|     |         |    |                                       |                |   | 4                     |
| _   |         | _  |                                       |                |   | -                     |
|     |         |    |                                       |                |   | _#                    |

**Monitoring Protocol:** 

Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds,

| Comments: | GEM-500 CALIBRATED TO 2.5% CH      |  |
|-----------|------------------------------------|--|
|           | Submitted for laboratory analyses. |  |
|           |                                    |  |
|           |                                    |  |
| )         |                                    |  |

Revised 8/16/02

| EQUIPMENT        | USED: Land        | tee Gern 500 (S                                  | orial No. E1257)                              | BAROMETRIC (hofore): 29.94" BAROMETRIC (after): 29.94"  |
|------------------|-------------------|--|---|---|
| TECHNCL          | IN: E.N           | PARTINE  | 2   | BARCONE INC. (and). Di. 1   |
|                  | 1/2/04            |  | DATE:   | DATE:   |
| am a trop cod At | 12151             | na   | ማግ ላይነ ሶ ምሽ <b>ለ</b> ው                        | START TIME:   |
| STAICH TIME      | 1420 h            | 125.   | START TIME:                                   | PINISH TIME:  |
|                  | ·····             |  |   |   |
| PROBE LD         | HATIC<br>PRESSURE | roe :  | Wealth at 1 miles that                        | BC PROBLED PRESSURE 7%CH3   |
|                  | in W.C.           |  |   | 06 W.C.V  |
| W-IS             |                   | <del>  </del>                                    | 8-1A  | 12-1<br>E-28  |
| W-IM             |                   |  | S-2B  |   |
| W-1D             | <del> </del>      | +  | 8-38  | E-2M<br>E-2D  |
| W-2A             | #                 | ND   | 0-2/1/11                                      | E-417   |
| W2B              |                   | <del>  </del>                                    | S-3M2   |   |
| W-38             |                   | <del>                                     </del> | S-3D  |   |
| WJM              | #                 | NO   | \$-4  | E 5S  |
| W3D              | #                 | ND   | 3-2   | K-SM  |
| W-4              | <b></b>           | <b></b>  | S-68  | E-5D  |
| W-SS             | ļ. <u> </u>       | <del> </del>                                     | S-6M1 .                                       | <u>E-6</u>  |
| W-5M             | op                | NO   | S-6M2   | E-7   |
| W-5D             |                   | ND   | 8-6D  | E-8S  |
| W-G              |                   |  | S-7   | E-RM  |
| W-7\$            |                   |  | 5-8   | E-8D  |
| W-7M             | 7"                | NO   | S-9S-R  | E-9   |
| W-7D             | 7.14              | ND   | S-9M1-R                                       | K-10  |
| W-8              |                   |  | 5-9M2-R                                       | E-11S-R   |
| W-9A             |                   |  | S-9D-R  | E-11M-R   |
| W-9B             |                   |  | S-10R   | E-11D-R   |
| W-10S            |                   |  | 8-11R   | E-12  |
| W-10M            | +.2"              | ND   | S-12  | E-13  |
| W-10D            | + . ! " .         | ND   |   | E-14S   |
| W-11             |                   |  |   | E-14M   |
| W-(2S            |                   |  |   | E-14D   |
| W-12M            |                   |  |   |   |
| W-12D            |                   | ļl   |   |   |
| W-13             |                   |  |   |   |
| W-148            |                   |  |   |   |
| W-14M            |                   |  |   |   |
| W-14I)           |                   |  |   |   |
| Monitoring       | Protocol:         | · A  |   | ordance with SCAQMD Rule 1150.1, Attachment each probe is evacuated until the Total Organic instant for 30 seconds. |
| Comments:        |                   |  | ED TO 2.5% CH <sub>4</sub> poratory analyses. |   |
|                  |                   |  |   |   |

Revised 8/16/02

| Quantile 1         | USED: Lund                            | oc Gem 500                                       | Sorial No.E (257)   | BAROMETRIC (before): 29.95"  BAROMETRIC (after): 29.93"  |
|--------------------|---------------------------------------|--|---|--|
| ECHNCL             | IN: E· ►                              | LARTINI  | 52_   | BAROMETRIC (alta): 61.10   |
| ATE: 4/            | 18/04                                 |  | DATE:   | DATE:  |
| n a ይጣ ጥ፤ እණ       | 13204                                 | 05.  | STARTTIME:  | UTADT UIN€G.   |
| NICHTENE           | - 1480 A                              | 25.  | FINISH TIME:  | START TIME:  |
|                    |                                       |  | 24113011 221223   |  |
|                    |                                       |  | PRODE LES PRESSURE  | PROBE TO PRESURE   |
|                    | @WCL                                  |  | db.W.Co   | (hwc)  |
| W-18               |                                       |  | S-1A  | E-1  |
| W-1M               |                                       |  | S-2B  | F,-2S  |
| W-1D               |                                       |  | \$-3S   | 6-2M   |
| W-2A               | _ef                                   | ND   | 8-3M1   | E-2D   |
| W2B                |                                       | 1 1  | S-3M2   | E-3  |
| W-38               | <del> </del>                          | <u>-</u>   | S-3D  | E-4  |
| W-3M               | <u> </u>                              | MD   | \$4   | E-5S   |
| W-3D               | - <del> </del>                        | NO   | 8-5   | E-SM   |
| W-4                |                                       | <del>                                     </del> | 8-68  | £-5D   |
| W-58               | a for                                 | ND   | S-6M1 .   | E-6  |
| W-5M<br>W-5D       | #                                     | 100 I  | S-6M2   | E-7<br>E-8S  |
| W-6                | #                                     | + ~°   | S-6D<br>S-7   | E-NM   |
| W-78               |                                       | <del> </del>                                     | \$-8  | E-8D   |
| W-7M               | 6"                                    | ND   | S-9S-R  | B-9  |
| W-7D               | +                                     | NO   | S-9MI-R   | E-10   |
| W-8                |                                       |  | S-9M2-R   | E-11S-R  |
| W-9A               |                                       |  | S-9D-R  | E-11M-R  |
| W-9B               |                                       |  | S-10R   | E-11D-R  |
| W-10S              |                                       |  | S-11R   | E-12   |
| W-10M              | +11"                                  | ND   | S-12  | E-13   |
| W-10D              | #                                     | ND   |   | E 148  |
| W-11               |                                       |  |   | E-14M  |
| W-12S              |                                       | <b> </b>   |   | E-14D  |
| W-12M              | .,                                    |  | <b> </b>  |  |
| W-12D              |                                       | <del> </del>                                     |   |  |
| W-13               | · · · · · · · · · · · · · · · · · · · | <del> </del> -                                   |   |  |
| W-14S              |                                       | <del> </del>                                     |   |  |
| W-14M<br>W-14D     |                                       | <del> </del>                                     |   |  |
| W-14D<br>onitoring | Protocol:                             |  | Probe monitoring is conducted in accord, Section 1.3.1. Prior to sampling eac | dance with SCAQMD Rule 1150.1, Attachment is probe is evacuated until the Total Organic tant for 30 seconds. |
| omments:           |                                       |  | ГЕD TO 2.5% СН,<br>boratory analyses.   |  |
|                    |                                       |  |   |  |
|                    |                                       |  |   |  |

Revised 8/16/02

| EQUIPMENT USED: Landtoc Gam 500 (S | Serial No. E1257)                                  | BAROMETRIC (before): 29.99"                     |
|------------------------------------|--|---|
| TECHNOLAN: E. MARTINE              | <u>z</u>   | BAROMETRIC (after): 39.96"                      |
| DATE: 4/9/04                       |  | DATE: 4/9/04                                    |
| PENISHTIME: 1350HRS.               | START TIME: 1353 HQS.<br>FINISH TIME: 1355 HQS.    | Start time: 1400 HBs.<br>Finish time: 1430 HBs. |
| PROBE ID PROBSURE FOR (m.W.C.)     | FREAD LD PRESSURE TOC<br>UNITED THE SHOPE TO CHEED | PROBULID PRESERVE FOC<br>OLEVANO (*CHD)         |
| W-18<br>W-1M                       | S-1A<br>S-2B                                       | E-1 # MO  |
| . W-1D                             | 8-35   |   |
| W.2A \$ NO                         | \$-3M1   | E-2M  |
| W2B                                | S-3M2  | E-21)   |
| W-3S                               | S-3D   | E-3   |
| W-3M & MD                          | 8-4  |   |
| W-3M & ND W-3D & NO                | S-5  | E-58  |
| W-4                                | S-6S   | E-SM  |
| W-58                               | S-GM1  | E-SD  |
| W-SM                               | S-6M2  | E-6   |
| W-5D2" ND                          | \$-6D  | R-7   |
| W-6                                | \$-7   | E-85  |
| W-78                               | S-8  | 15-8M & NO                                      |
| . W-7M                             | S-9S-R   | E-8D  |
| W-7D -13" HD                       | S-9M1-R  | E-9   |
| W-8                                | S-9M2-R  | E-10  |
| W-9A                               | S-9D-R   | E-11S-R   |
| W-9B                               | S-10R  | £-11M-R   |
| W-108                              | S-11R  | 16-11D-R5" ND                                   |
| W-IOM A NO                         |  | E-12  |
| W-10M + ND                         | 8-12 <del>\$</del> ND                              | E-13  |
| W-11                               |  | E-148   |
| W-12S                              | <b>  </b>  | £-14M ≠ NO                                      |
| W-12M                              |  | F-141) + ND                                     |
| W-12D                              |  |   |
| W-13                               |  |   |
| W-148 3" ND                        |  |   |
| W-14M                              |  |   |
| W-14D                              |  |   |
|                                    |  |   |

Monitoring Protocol:

Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.

| Comments:                              | GEM-500 CALIBRATED TO 2,5% CH <sub>4</sub> |  |
|--|--|--|
| <del></del>                            | * Submitted for laboratory analyses.       |  |
|  |  |  |
| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |  |  |
|  | <u> </u>                                   |  |

Revised 8/16/02

|   | 4/12/04                         |                            |  |                                       |   | DATE:             | ··- m···· -                           |   |
|---|---------------------------------|----------------------------|--|---------------------------------------|---|-------------------|---------------------------------------|---|
| ТАКТ ТІМІ                               | 135                             | 11/13                      | START TIME   | HET 155 Bytte og 221 mil 1880         |   | START TIME        |                                       |   |
| MIT HEIM                                | 135                             | #15.                       | FINISH TIME  | har delastra arrangement              | ALLES ASTER | Finish time       |                                       |   |
| ROBE I.D.                               | STATIC<br>PRESSURE<br>(in W.C.) | тос<br>(%СН <sub>4</sub> ) | PROBE I.D.   | STATIC<br>PRESSURE<br>(in W.C.)       | TOC<br>(%CH <sub>d</sub> )  | PROBL LD.         | STATIC<br>PRESSURE                    | ТОС<br>(%СН <sub>Л</sub>                |
| W-18                                    |                                 |                            | 5-1A   |                                       |   | R-1               | (in W.C.)                             |   |
| W-IM                                    |                                 |                            | S-2B   |                                       |   | 16-2S             |                                       |   |
| W-1D                                    |                                 |                            | S-38   |                                       |   | E-2M              |                                       | ······································  |
| W-2A                                    | P                               | ND.                        | N-3M1  |                                       |   | E-2D              |                                       |   |
| WZB                                     |                                 |                            | S-3M2  |                                       |   | E-3               |                                       |   |
| W-38                                    |                                 |                            | 8-3D   |                                       |   | FC-4              |                                       |   |
| W-3M<br>W-3D                            | Ø.                              | ND                         | 8-4  |                                       |   | E-58              |                                       |   |
| W-4                                     | 7                               | ND                         | \$-5   |                                       |   | R-5M              |                                       |   |
| W-58                                    |                                 |                            | S-68   |                                       |   | E-5D              |                                       |   |
| W-SM                                    |                                 | <del></del>                | S-6M1<br>S-6M2   |                                       |   | E-6               |                                       |   |
| VV-5D                                   | 8                               | NO                         | S-6M2<br>S-6D  |                                       |   | IC-7              |                                       | <del></del>                             |
| W-6                                     | 7                               |                            | \$-7   | <del>}</del>                          |   | K-85              |                                       | · · - · · · · · · · · · · · · · · · · · |
| W-7S                                    |                                 |                            | 8-8  | <del></del>                           |   | E-8M              |                                       | <del></del>                             |
| V-7M                                    | ·                               |                            | S-98-R   |                                       |   | IZ-8D<br>E-9      |                                       |   |
| W-7D                                    | - ·2                            | ND                         | S-9M1-R  |                                       |   | E-10              |                                       |   |
| W-8                                     |                                 |                            | S-9M2-R  |                                       |   | E-115-R           |                                       |   |
| W-9A '                                  |                                 | L.                         | 8-9D-R   |                                       |   | E-11M-R           |                                       |   |
| W-9B                                    |                                 |                            | S-10R  |                                       |   | E-11D-R           |                                       |   |
| V-105                                   |                                 |                            | 5-11R  |                                       |   | E-12              |                                       | <del></del>                             |
| V-10M                                   | <del>/</del>                    | MD                         | S-12   |                                       |   | E-13              |                                       |   |
| V-10D<br>W-11                           | <del>-9</del>                   | NO                         | <u> </u>   |                                       |   | E-148             |                                       |   |
| V-125                                   |                                 |                            | <b></b>  |                                       |   | E-14M             |                                       | <del></del>                             |
| -12M                                    |                                 |                            |  |                                       |   | E-14D             |                                       |   |
| '-12D                                   |                                 |                            | } <del></del>  |                                       |   |                   |                                       |   |
| V-13                                    |                                 |                            | }  |                                       |   |                   |                                       |   |
| -148                                    |                                 |                            | <del></del>  |                                       |   |                   |                                       |   |
| -14M                                    | <del></del>                     |                            | -  |                                       |   |                   |                                       |   |
| /-14D                                   |                                 | <del></del>                | <b> </b>   |                                       |   |                   |                                       |   |
| • |                                 |                            |  |                                       |   |                   |                                       |   |
| nitoring I                              | Protocol:                       | C                          | obe monitoring is<br>Section 1.3.1. Prompound concentr | ior to samplin                        | g each probe i  | s evacuated until | le 1150.1, Atta<br>the Total Orga     | ichment<br>mic                          |
| ments:                                  | GEM-500                         | CALIBRATI                  | ED TO 2.5% CH.   |                                       |   |                   |                                       |   |
|   | * Submi                         | tted for labo              | oratory analyses                                       | <del></del>                           | <del></del>   |                   |                                       |   |
|   |                                 |                            |  |                                       |   |                   |                                       | ·                                       |
|   |                                 |                            |  |                                       |   |                   |                                       |   |
|   |                                 |                            |  | · · · · · · · · · · · · · · · · · · · | ······································  | <del></del>       | · · · · · · · · · · · · · · · · · · · | *****                                   |

Apr. 12 2004 02:33PM P1

FHX NO. :818-767-0444

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C | C2C+ 110/11

|               | 100                                   |                            | DATE: 4 START TIME: FINISH TIME: |                                 |                | DATE: 4<br>START TIME:<br>FINISH TIME: | •                                      | · · ·                                 |
|---------------|---------------------------------------|----------------------------|----------------------------------|---------------------------------|----------------|--|--|---------------------------------------|
| ROBK I.D.     | STATIC<br>PRESSURE<br>(in W.C.)       | TOC<br>(%CH <sub>2</sub> ) | PROBE L.D.                       | STATIC<br>PRESSURE<br>(in W.C.) | TOC<br>(%CH)   | PROBE LD.                              | STATIC<br>PRESSURE<br>(In W.C.)        | TOC;<br>(%CH <sub>4</sub>             |
| W-18          |                                       |                            | 8-1A                             |                                 |                | E-1                                    | 8                                      | ND                                    |
| W-IM          |                                       |                            | S-2B                             |                                 |                | E-2S                                   | 7                                      | 141)                                  |
| W-ID          |                                       |                            | \$-3\$                           | •                               |                | E-2M                                   |  |                                       |
| W-ZA          | <b>d</b>                              | NO                         | 8-3M1                            |                                 |                | E-2D                                   |  |                                       |
| \V2B          | ,                                     |                            | S-3M2                            |                                 | <del></del>    | F.3                                    | ······································ |                                       |
| W-35          |                                       |                            | S-3D                             |                                 |                | E-4                                    | ····                                   |                                       |
| W-3M          | -0.1                                  | ND                         | 5-4                              | <del></del>                     |                | R-58                                   |  | <del></del> -                         |
| W-3D          | et)                                   | MA                         | S-5                              |                                 |                | 12-5M                                  |  | *                                     |
| ₩-4           |                                       |                            | 8-68                             |                                 |                | E-SD                                   | <del></del>                            | <del></del>                           |
| W-58          |                                       |                            | S-6M1                            |                                 |                | Ē-6                                    |  |                                       |
| W-5M          |                                       |                            | S-6M2                            |                                 |                | E-7                                    |  |                                       |
| \+'-5D        | Ø                                     | ND                         | S-6D                             |                                 |                | E-85                                   |  |                                       |
| 17-6          | , , , , , , , , , , , , , , , , , , , |                            | 8-7                              |                                 |                | E-8M                                   | \$                                     | ND                                    |
| W-7S          |                                       |                            | Š-8                              |                                 | <del> </del>   | E-8D                                   |  | _ZVD                                  |
| V-7M          |                                       |                            | 5-95-R                           |                                 | <del></del>    | F9                                     |  | <u>~</u>                              |
| ۱۷-7 <b>ن</b> | -0-4                                  | NO                         | S-9M1-R                          |                                 |                | E-10                                   |  |                                       |
| 17-8          |                                       |                            | S-9M2-R                          |                                 |                | E-11S-R                                | <del></del>                            |                                       |
| W-9A          |                                       |                            | 5-9D-R                           |                                 | <del></del>    | E-11M-R                                |  |                                       |
| W-9B          | ·                                     |                            | S-10R                            |                                 |                | E-11D-R                                | -0.4                                   | ND                                    |
| W-10S         | <del></del> ,                         |                            | S-11R                            |                                 |                | E-12                                   |  | ~ <u>P</u>                            |
| V-10M         | - 0.1                                 | ND                         | S-12                             | Ø                               | NO             | E-13                                   | <del></del>                            | ··· · · · · · · · · · · · · · · · · · |
| V-10D         | ď                                     |                            |                                  |                                 |                | E-148                                  | <del></del>                            | <del></del>                           |
| W-11          |                                       |                            | <u> </u>                         |                                 |                | II14M                                  | 7                                      | 440                                   |
| N-12S         |                                       |                            |                                  |                                 | ···            | E-14D                                  | \$                                     | ND                                    |
| V-12M         | ************************              | <del></del>                |                                  |                                 |                | 1,7.42                                 | <del></del>                            | .VΩ                                   |
| V-12D         |                                       |                            |                                  |                                 |                | <del></del>                            |  |                                       |
| W-13          |                                       |                            | <del></del>                      |                                 |                |  |  |                                       |
| V-14S         | -0.3                                  | MA                         |                                  |                                 | <del></del>    |  |  |                                       |
| ′-14M         |                                       | ex 60                      | <del> </del>                     |                                 |                | <del> </del>                           |  |                                       |
| V-14D         | ·· <del>·····</del>                   | <del></del>                | <b>₽</b>                         |                                 | <del></del>    | <b></b>                                |  |                                       |
| nitoring      | Protocol;                             | A.                         |                                  | rior to sampli                  | ng each probe. | ith SCAQMD Ruis evacuated until        |  |                                       |
| nments:       |                                       |                            | D TO 2.5% CH₄<br>ratory analyse  |                                 |                |  |  |                                       |

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Revised 8/16/02 -

FAX NO. :818-767-0444

ייסיר אברווור בייסיר 
|                           | TUSIAD: Land                          | Galdam   | (Serial No.  | )                               |                            | BAROMETRI<br>BAROMETRI | C (before): 30<br>C (after): 30       | 03                                      |
|---------------------------|---------------------------------------|--|--------------|---------------------------------|----------------------------|------------------------|---------------------------------------|---|
| DATE:_ <del></del>        | 1/14/04                               | 4  |              |                                 |                            | DATE:                  |                                       |   |
| START TIME<br>FINISH TIME | /25<br>23/                            | 0  | START TIME   | <u> </u>                        |                            | START TIME             |                                       |   |
| PROBE I.D.                | STATIC<br>PRESSURE<br>(in W.C.)       | TOC<br>(%CH <sub>4</sub> )                       | PROBE I.D.   | STATIC<br>PRESSURE<br>(in W.C.) | TOC<br>(%CH <sub>J</sub> ) | PROBE 1.D.             | STATIC<br>PRESSURE<br>(in W.C.)       | TOC;                                    |
| W-1M                      | <del> </del>                          | <del>                                     </del> | 8.17         |                                 |                            | E-1                    |                                       |   |
| W-101<br>W-1D             | <del> </del>                          | <del></del>                                      | S-2B         |                                 |                            | E-2S                   |                                       |   |
| W-2A                      | · · · · · · · · · · · · · · · · · · · | 475  | S-38         |                                 | ,                          | E-2M                   |                                       |   |
| W2B                       |                                       | ND   | S-3M1        |                                 |                            | i R-2D                 |                                       |   |
| W-38                      | <del></del>                           | <del> </del>                                     | 8-3M2        |                                 |                            | F3                     |                                       |   |
| W-3M                      |                                       | <del>                                     </del> | S-3D         |                                 |                            | E-4                    |                                       | <del></del>                             |
|                           |                                       | . WO   | S-4          |                                 |                            | E-58                   | ***                                   |   |
| W-3D<br>W-4               | 2                                     | ND   | 8-5          |                                 |                            | <b>唯-5M</b>            |                                       | *************                           |
|                           | *                                     | ļ  | S-68         |                                 |                            | R-5D                   |                                       | ···                                     |
| W-58                      | <del> '</del>                         |  | S-6M1        |                                 |                            | IC-6                   |                                       |   |
| W-SM                      |                                       |  | S-6M2        |                                 |                            | E-7                    |                                       | <u>-</u>                                |
| W-5D                      | 3                                     | ND   | S-6D         |                                 |                            | E-85                   |                                       |   |
| W-6                       |                                       | ļ  | 8-7          |                                 |                            | E-8M                   |                                       | <del></del>                             |
| W-78                      |                                       |  | S-8          |                                 |                            | E-8D                   |                                       |   |
| W-7D                      |                                       |  | S-98-R       |                                 |                            | ¥£-9                   |                                       | <u>-</u>                                |
| W-75                      | 4                                     | ND   | 5-9M1-R      |                                 |                            | R-10                   |                                       | <del></del>                             |
| W-9A                      | ·                                     |  | 8-9M2-R      |                                 |                            | E-11S-R                |                                       |   |
| W-9B                      |                                       | <del></del>                                      | 8-9D-R       |                                 |                            | E-11M-R                |                                       |   |
| W-10S                     | <del></del>                           |  | S-10R        |                                 |                            | R-11D-R                |                                       | <del></del>                             |
| V-10M                     | 3                                     |  | S-11R        |                                 |                            | £-12                   |                                       |   |
| V-10D                     |                                       | NO   | S-12         |                                 |                            | E-13                   |                                       |   |
| W-11                      | ø                                     | ND   | <b> </b>     |                                 |                            | E-148                  |                                       |   |
| W-128                     | <del></del>                           | <del></del>                                      | ļ            |                                 |                            | E-14M                  |                                       |   |
| N-12M                     | <del></del>                           |  | ļ <u>-</u>   |                                 |                            | E-14D                  | <del> </del>                          | <del></del>                             |
| V-12D                     |                                       | <del> </del>                                     |              |                                 |                            |                        |                                       |   |
| W-13                      |                                       |  | <del> </del> |                                 |                            |                        |                                       |   |
| V-145                     |                                       |  |              |                                 |                            |                        |                                       | *******                                 |
| V-14M                     |                                       |  | <b> </b>     |                                 |                            |                        |                                       |   |
| V-14D                     |                                       |  |              |                                 |                            |                        |                                       | · • • · · · · · · · · · · · · · · · · · |
|                           |                                       |  | :            |                                 |                            |                        | · · · · · · · · · · · · · · · · · · · | <del></del>                             |

apling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.

| Commenter | GEM-500 CALIBRATED TO 2.5% CH,                         |     |
|-----------|--|-----|
|           | <ul> <li>Submitted for laboratory analyses.</li> </ul> |     |
|           |  |     |
| ·         |  | No. |
|           |  |     |

Revised 8/16/02 ...

|                           |                                 |                            | (Serial No. <i>E/25</i>                           | 7103   |               |                             | (before): 30                    |                            |
|---------------------------|---------------------------------|----------------------------|---|--|---------------|-----------------------------|---------------------------------|----------------------------|
| TECHNOL                   | IN: M. C                        | Talda                      | mez_  |  |               | BAROMETRIC                  | C (after): <b>@</b>             | 0.00                       |
|                           | 15/04                           |                            | •   |  | ********      | DATE:                       | ** 161.,                        |                            |
| START TIME<br>FINISH TIME | 135                             | 2 403                      | START TIME  | 佢;<br>佢;   | ***           | START TIME:<br>FINISH TIME: |                                 |                            |
| PROBE I.D.                | STATIC<br>PRESSURE<br>(In W.C.) | TOC<br>(%CH <sub>4</sub> ) | PROBE L   | STATIC<br>D. PRESSURE<br>(in W.C.)               | тос<br>(%СНД) | PROBE I.D.                  | STATIC<br>PRESSURE<br>(in W.C.) | TOC<br>(%CH <sub>4</sub> ) |
| W-18                      |                                 |                            | S-IA  |  |               | E-1                         |                                 |                            |
| W-1M                      |                                 |                            | S-2B  |  |               | E-28                        |                                 |                            |
| W-1D                      |                                 |                            | 8-3\$   |  |               | E-2M                        |                                 |                            |
| W-2A                      | ₫.                              | N/D                        | 8-3M1   |  |               | E-2D                        |                                 |                            |
| W2B                       |                                 |                            | S-3M2   |  |               | E-3                         |                                 |                            |
| W-35                      |                                 |                            | S-3D  |  |               | Ye-4                        |                                 |                            |
| W-3M                      | 2                               | ND                         | 8-4   |  |               | E-5S                        |                                 |                            |
| W-3D                      | /                               | MD                         | S-5   |  |               | E-5M                        |                                 |                            |
| W-4                       | ·                               |                            | S-68  |  |               | E-5D                        |                                 |                            |
| W-58                      |                                 |                            | S-6M1   |  |               | E-6                         |                                 |                            |
| W-5M                      |                                 |                            | S-6M2   |  |               | 正-7                         |                                 |                            |
| W-SD                      | 2                               | ND                         | \$-6D   |  |               | E-8S                        |                                 |                            |
| VV-6                      |                                 |                            | S-7   |  |               | E-8M                        |                                 |                            |
| W-7S                      |                                 |                            | S-8   |  |               | R-8D                        |                                 |                            |
| W-7M                      |                                 |                            | 8-98-R  |  |               | E-9                         |                                 |                            |
| W-7D                      | 4                               | ND                         | \$-9M1-R  |  |               | E-10                        |                                 |                            |
| W-8                       | `                               |                            | 8-9M2-R   | ·  |               | R-11S-R                     |                                 |                            |
| W-9A                      |                                 |                            | 8-9D-R  | <del>  </del>                                    |               | E-11M-R                     |                                 |                            |
| W-9B                      |                                 |                            | S-10R   |  |               | R-11D-R                     |                                 |                            |
| W-108                     | <del></del>                     | 460                        | 8-11R   |  |               | E-12                        |                                 |                            |
| W-10M<br>W-10D            | 2                               | NO                         | S-12  |  |               | E-13                        |                                 |                            |
| W-11                      | <u> </u>                        | ND                         | 1 1   | <del></del>                                      |               | 15-14S                      |                                 |                            |
| W-12S                     |                                 |                            | <b>                                     </b>      | <del> </del>                                     |               | E-14M                       |                                 |                            |
| W-12M                     | <del></del>                     |                            | <b>   </b>  |  |               | R-14D                       |                                 |                            |
| W-12D                     |                                 |                            | 1 1   | +  |               | <b> </b>                    |                                 |                            |
| W-13                      |                                 |                            | 1 J <del></del>                                   | +  |               | <del></del>                 |                                 |                            |
| W-14S                     |                                 | <del></del>                | ╢ ┣━━━  |  | <del></del>   | <del></del>                 |                                 |                            |
| W-14M                     |                                 | <del></del>                | 1   | <del> </del>                                     |               |                             |                                 |                            |
| W-14D                     |                                 |                            | · · · · · · · · · · · · · · · · · · ·             | <del>                                     </del> |               | <b> </b>                    |                                 |                            |
| Monitoring                | Protocol:                       |                            | Probe monitoring A, Section 1.3.1. Compound conce | Prior to sampli                                  | ng each probe | is evacuated unti           | de 1150.1, At<br>the Total Or   | tachment<br>ganic          |
| Canana                    | 0735 F0                         | 0.001.000                  |   | <b>.</b>   |               |                             |                                 |                            |

Revised 8/16/02

Submitted for laboratory analyses.

|                           | USED: Land                       |   | (Seri    | ial No. <b>E 1257</b><br>? . | ') <i>0</i> 3                           |                            | -            | HAROMETR<br>BAROMETR | IC (helore): _36<br>IC (after): _36 | 001                        |
|---------------------------|----------------------------------|---|----------|------------------------------|---|----------------------------|--------------|----------------------|-------------------------------------|----------------------------|
| DATE:                     | 4/16/04                          |   |          | DATE:                        | 4/16/0                                  | 4                          | <b></b>      | DATE: 4              | 116/04                              |                            |
| START TIME<br>FINISH TIME | /255<br>/345                     | ** *** * * **************************** | _        | START TIME<br>PINISH TIME    | 1350<br>1400                            |                            | <del></del>  | START TIME           | 1405                                |                            |
| PROBE LD.                 | STATIC<br>PRESSURE,<br>(In W.C.) | TOC<br>(%CH <sub>2</sub> )              |          | PROBE L.D.                   | Static<br>Pressure<br>(in W.C.)         | TOC<br>(%CH <sub>d</sub> ) |              | PROBE LD.            | STATIC<br>PRESSURE<br>(in W.C.)     | TOC<br>(%CH <sub>4</sub> ) |
| VY IS                     |                                  | <u> </u>                                | 1        | S-1A                         |   |                            | 71           | 16-1                 | Ø'                                  | WA                         |
| W-1M                      |                                  |   | 1        | 8-2B                         |   |                            | 7            | E-25                 | - 4                                 |                            |
| W-1D                      |                                  | <del> </del>                            | ll       | \$-3\$                       |   |                            | 1            | E-2M                 |                                     | <del> </del>               |
| W-ZA                      | ф                                | NO                                      |          | S-3M1                        |   |                            | 7)           | K-2D                 |                                     |                            |
| WzB                       |                                  |   |          | 8-3M2                        |   | 7                          | 7            | E-3                  |                                     |                            |
| W-38                      |                                  |   |          | S-3D                         |   |                            | 7            | E-a                  |                                     | ***********                |
| W-3M                      | - 12                             | NO                                      |          | S-4                          |   |                            | 7            | E-58                 |                                     |                            |
| W-3D                      | 3                                | ND                                      |          | S-5                          |   |                            | վ  ։         | E-SM                 |                                     |                            |
| W-4                       |                                  |   |          | <b>\$-68</b>                 |   |                            | 1            | E-5D                 |                                     | <del></del>                |
| W-5.S                     |                                  |   | i i      | S-6M1                        |   |                            | 1 1          | E-6                  |                                     | <del></del>                |
| W-5M                      |                                  |   |          | S-6M2                        |   |                            | 1            | IS-7                 |                                     |                            |
| W-5D                      | <u>3</u>                         | MA                                      |          | S-6D                         |   |                            | 1 [          | E-88                 |                                     |                            |
| 1V-6                      |                                  |   | ' '      | S-7                          |   |                            | 1 1          | E-8M                 | Ø                                   | 1/0                        |
| W-78                      |                                  |   |          | S-8                          | *************************************** |                            | 1 1          | E-8D                 | <del></del>                         | NO                         |
| W-7M                      |                                  |   |          | S-9S-R                       |   |                            | 1] [         | E-9                  |                                     |                            |
| W-7D                      | - · 5                            | NO                                      |          | S-9MI-R                      |   |                            | 1            | 16-10                | -                                   |                            |
| W-8                       |                                  |   |          | S-9M2-R                      |   |                            | 1            | E-118-R              |                                     |                            |
| W-9A                      |                                  |   | ۱ ا      | S-9D-R                       |   |                            | 1            | E-11M-R              | <del></del>                         |                            |
| W-9B                      | <del>,,</del> ,,,                |   |          | S-10R                        |   |                            | 11 11        | B-IID-R              | 5                                   | > / (%)                    |
| W-108                     | <u>-</u> -                       |   | [        | S-11R                        |   |                            | 11 /         | 812                  |                                     | ND                         |
| W-10M                     | 3                                | ND                                      | II.      | S-12                         | \$                                      | NA                         | 11 ]         | E-13                 |                                     |                            |
| W-10D                     | Ø                                | ND                                      |          |                              |   |                            | 11 11        | E-148                |                                     |                            |
| W-11                      |                                  |   | ľ        |                              |   |                            | 1 H          | E-14M                |                                     | <del></del>                |
| \V-12S                    |                                  |   |          |                              |   |                            | i)           |                      |                                     | ND                         |
| W-12M                     |                                  |   | <u>I</u> |                              |   |                            |              | 120.5-413            | 2                                   | ND                         |
| W-12D                     |                                  |   |          |                              |   |                            | ╽            |                      | <del></del>                         |                            |
| W-13                      |                                  |   |          |                              |   |                            | <del> </del> | <del></del>          | <del></del>                         |                            |
| W.148                     | - 、3                             | NO                                      |          |                              |   |                            | <del> </del> |                      |                                     |                            |
| W-14M                     |                                  |   | 1        |                              | <del></del>                             |                            | [            |                      |                                     |                            |
| W-14D                     |                                  |   | ╟        |                              | <del></del>  -                          |                            | -            |                      |                                     |                            |

Monitoring Protocol:

Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1. Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.

| Comments: | GEM-500 CALIBRATED TO 2.5% CH <sub>4</sub> |  |
|-----------|--|--|
| *         | Submitted for laboratory analyses.         |  |
|           |  |  |
|           |  |  |
|           |  |  |

Revised 8/16/02

| W-1S   |                           | USED: Land  |                      | Serial No.                | )                             |                | BAROMETRI                   | C (hefore): 30                          | 14                                    |
|--|---------------------------|-------------|----------------------|---------------------------|-------------------------------|----------------|-----------------------------|---|---------------------------------------|
| START TIME   | TECHNOIA                  | IN:         | A INSP               | ector                     |                               |                | BAROMETRI                   | C (ntter):                              |                                       |
| PINISH TIME:   | DATE: 4/                  | 19/04       | PPIME AND MARK TO BE | DATE:A                    | 1/19/04                       |                | DATE:                       | ·                                       |                                       |
| PROBE LD. PRESSURE (%CH <sub>2</sub> ) (hW,C <sub>2</sub> ) (%CH <sub>2</sub> ) (hW,C <sub>3</sub> ) (%CH <sub>4</sub> ) (hW,C <sub>4</sub> ) (hW,C <sub>5</sub> ) (%CH <sub>4</sub> ) (hW,C <sub>5</sub> ) (hW,C | START TIME<br>FINISH TIME | 1345        | · () · () · (        | START TIME<br>FINISH TIME | 15,20                         | 2              | START TIME:<br>FINISH TIME: |   |                                       |
| W-1M   S-2B   D-2S   S-2M   W-1D   W-1D   W-2A   W-2A   W-2B   W-3S   D-2D   W-2B   W-3M   D-2D   W-3M  | PROBE LD.                 | PRESSURE    | 1 11                 | PROBE LD.                 | Pressure                      |                | PROBE LD.                   | Pressure                                | TOC<br>(%CH <sub>1</sub>              |
| W-1M   | W-18                      |             |                      | S-1A                      |                               |                | 16-1                        |   |                                       |
| W-2A   | W-IM                      |             |                      | 8-2 3                     |                               |                | <del></del>                 |   |                                       |
| W-2A   W2B   S-3M1   S-3M2   E-3   W-3A  | W-1D                      |             |                      | 9-3\$                     |                               |                | E-2M                        |   |                                       |
| W-38   | VV-2A                     |             |                      | 8-3M1                     |                               |                | <del> </del>                |   |                                       |
| W-3M   | W2B                       |             |                      | S-3M2                     |                               |                | E-3                         |   | <del></del>                           |
| W-3fb  | W-38                      |             | NO                   | Ş-3D                      |                               |                | [                           | *************************************** | <del></del>                           |
| W-3f)  | W-3M                      | Φ           | ND                   | 8-4                       |                               |                | F-58                        |   |                                       |
| W-5S   | W-3f)                     | Ø           | ND                   | 8-5                       |                               |                | E-5M                        |   |                                       |
| W-5S   | W-4                       |             |                      | S-68                      |                               |                | <del> </del>                |   | <del></del>                           |
| W-5M         Ø         MØ         B-6M2         E-7         E-88           W-5D         Ø         MØ         S-6D         E-88         E-88M           W-7S         Ø         MØ         S-98-R         Ø         MØ         E-9           W-7M         Ø         MØ         S-98-R         Ø         MØ         E-10         E-10           W-8         S-9M2-R         Ø         MØ         E-110-R         E-11M-R         E-11M-R           W-9A         Ø         MØ         S-9D-R         Ø         MØ         E-11D-R           W-10S         Ø         MØ         S-11R         E-14B         E-14S           W-10D         Ø         MØ         S-12         Ø         MØ         E-14M           W-12         Ø         MØ         MØ         E-14D         E-14D           W-12         Ø         MØ         MØ         E-14D  | W-5S                      | <u></u>     | ND                   | 8-6M1                     |                               |                | 1                           |   |                                       |
| W-6  | W-5M                      | Ø           | ND                   | 8-6M2                     |                               |                | J                           | ·····                                   |                                       |
| W-7S   | W-5D                      | 4           | NO                   | S-6D                      |                               |                | E-85                        |   | <del></del>                           |
| W-7M   |                           |             |                      | S-7                       |                               |                | E-8M                        |   |                                       |
| W-7D   | <del></del>               | <i>Ø</i>    |                      | S-8                       |                               |                | R-SD                        |   |                                       |
| W-8  |                           | _ø          |                      | S-98-R                    | Ø                             | NO             | E-9                         |   |                                       |
| W-9A   |                           | #           | NO·                  | S-9MI-R                   | $\phi_{\scriptscriptstyle A}$ | NO             | E-10                        |   |                                       |
| W-9B   |                           |             |                      | 8-9M2-R                   | Φ.                            | NO             | B-118-R                     |   | <del></del>                           |
| W-10S  |                           | <del></del> |                      | 5-9D-R                    | $\mathcal{P}$                 | ND             | E-11M-R                     |   |                                       |
| W-10D  |                           |             |                      | S-10R                     |                               |                | E-11D-R                     |   | · · · · · · · · · · · · · · · · · · · |
| W-10D  |                           |             |                      |                           |                               |                | E-12                        |   |                                       |
| W-11 W-12S W-12M W-12D W-13  |                           | $-\varphi$  |                      | <u>S-12</u>               | $\phi$                        | NO             | E-13                        |   |                                       |
| W-12S  | ****                      | -P          | NO                   |                           | /                             |                | E-148                       |   |                                       |
| W-12M  |                           |             |                      | ļ                         |                               |                | E-14M                       |   |                                       |
| W-12D Ø KØ<br>W-13   |                           |             |                      |                           |                               |                | E-14D                       |   |                                       |
| W-13   |                           |             |                      | ·                         |                               |                |                             |   |                                       |
| <del></del>  |                           | 4           | ND_                  |                           |                               |                |                             |   |                                       |
| ANALYSM I II  |                           |             |                      | <b> </b>                  |                               |                |                             |   |                                       |
| <del></del>  |                           |             |                      |                           |                               |                |                             |   |                                       |
| W-IAM I II  |                           | <del></del> |                      |                           |                               | <del></del>    |                             |   |                                       |
| <del></del>  |                           |             |                      |                           |                               |                |                             |   |                                       |
| <del></del>  | W-10M                     | 60          | ND<br>ND<br>ND       |                           | ф<br>                         | ×0             | E-13<br>E-14S<br>E-14M      |   |                                       |
| W-14M  | W-14D                     |             |                      |                           |                               | <del></del>    | <b> </b>                    |   |                                       |
| <del></del>  |                           | <del></del> |                      | International Control     |                               |                | <u> </u>                    |   |                                       |
| <del></del>  | onitoring I               | Protocol:   | Α,                   | Section 1.3.1. h          | rior to sampli                | ig each probe  | is evacuated until          | le 1150.1, Att                          | achment<br>anic                       |
| onitoring Protocol:  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic   |                           |             | Co<br>'              | mpound concent            | ration remains                | constant for 3 | 0 seconds.                  |   | ,                                     |
| W-14D  | mments;                   | GEM-500     | CALIBRATE            | D TO 2.5% CH <sub>4</sub> |                               |                |                             |   |                                       |
| onitoring Protocol:  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   |                           | anom        | med for labo         | ratory analyse:           | s,                            |                |                             | · · · · · · · · · · · · · · · · · · ·   |                                       |
| onitoring Protocol:  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   |                           |             |                      |                           |                               |                |                             |   |                                       |

Revised 8/18/02

| EQUIPMENT USED: Landtec Gem 500 (Sea   | ial No. E1257103                      | BAROMETRIC (before): 30,17 BAROMETRIC (after): 20,11 |
|--|---------------------------------------|--|
| TECHNOIAN: M.A. GALDAM:                | <del></del>                           |  |
| DATE: 4/20/04                          | DATE: 4/20/04                         | DATE: 4/20/04  |
| START TIME: 12 45<br>FINISH TIME: 7333 | START TIME: /335<br>FINISH TIME: /337 | START TIME: 13.45<br>PINISH TIME: 14.20              |

| PROBE I.D. | STATIC<br>PRESSURE<br>(in W.C.)         | TOC<br>(%CH4) |
|------------|---|---------------|
| W-18       |   |               |
| W-1M       |   |               |
| ₩-1D       |   |               |
| W-2A       | 6                                       | ND            |
| W2B        |   |               |
| VY-35      |   |               |
| W-3M       | <b>Ø</b>                                | NO            |
| W-3D       | Ø                                       | 2             |
| W-4        |   |               |
| W-58       |   |               |
| W-5M       |   |               |
| W-SD       | Ø                                       | ND            |
| W-6        | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |               |
| W-78       |   |               |
| W-7M       |   |               |
| W-7D       | - 12                                    | $\sim$        |
| 17-8       |   |               |
| W-9A       |   |               |
| W-9B       |   |               |
| W-10\$     |   |               |
| W-10M      | φ                                       | ND            |
| W-10D      | d                                       | XΛ            |
| W-11       |   | - Callada     |
| W-12S      |   | *****         |
| W-12M      |   |               |
| W-12D      |   | 1 1           |
| W-13       |   |               |
| W-14S      | 3                                       | NA            |
| W-14M      |   |               |
| W-14D      |   |               |

| PROBE I.D. | STATIC<br>PRESSURE<br>(in W.C.) | TOC<br>(%CH <sub>d</sub> ) |
|------------|---------------------------------|----------------------------|
| S-IA       |                                 |                            |
| 9-2B       |                                 |                            |
| 8-35       |                                 |                            |
| S-3M1      |                                 |                            |
| S-3M2      |                                 |                            |
| S-3D       |                                 |                            |
| S-4        |                                 |                            |
| S-5_       |                                 |                            |
| S-68       |                                 |                            |
| 8-6M1      |                                 |                            |
| S-6M2      |                                 |                            |
| S-6D       |                                 |                            |
| S-7        |                                 |                            |
| S-8        |                                 |                            |
| S-98-R     |                                 |                            |
| S-9MI-R    |                                 |                            |
| S-9M2-R    |                                 |                            |
| 8-9D-R     |                                 |                            |
| 8-10R      |                                 |                            |
| 3-11R      |                                 |                            |
| \$-12      | <i>b</i>                        | XD                         |
|            | /                               |                            |
|            |                                 |                            |
|            |                                 |                            |
|            |                                 |                            |
|            |                                 |                            |
|            |                                 |                            |
|            |                                 |                            |
|            |                                 |                            |
|            |                                 |                            |

| PINISHTIME | 1420                            | ······································  |
|------------|---------------------------------|---|
| PROBE LD.  | STATIC<br>PRESSURE<br>(in W.C.) | (%CH <sub>4</sub> )                     |
| K-1        | ø                               | MA                                      |
| E-2S       |                                 |   |
| E-2M       |                                 |   |
| E-2D       |                                 | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| E-3        |                                 |   |
| E-4        |                                 |   |
| E-55       |                                 |   |
| E-5M       |                                 |   |
| E-5D       |                                 |   |
| E-6        |                                 |   |
| E-7        |                                 |   |
| P-85       |                                 |   |
| E-8M       | 4                               | ND                                      |
| E-8D       |                                 |   |
| E-9        |                                 |   |
| F-10       |                                 |   |
| E-118-R    |                                 |   |
| E-11M-R    |                                 |   |
| E-110-R    | + 4                             | ND                                      |
| E-12       |                                 |   |
| E-13       |                                 |   |
| E-148      |                                 |   |
| E-14M      | \$                              | MA                                      |
| R-14D      | 14                              | ND<br>ND                                |
|            |                                 |   |
|            |                                 |   |
|            | <u> </u>                        |   |
|            |                                 |   |
|            |                                 |   |
|            |                                 | · · · · · · · · · · · ·                 |

Monitoring Protocol:

Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.

| Comments: | GEM-500 CALIBRATED TO 2.5% CH <sub>4</sub> |
|-----------|--|
|           | * Submitted for laboratory analyses.       |
|           |  |
|           |  |
|           |  |

Revised 8/16/02

| DATE: 4/21/04  DATE: DATE:  START TIME: START TIME: START TIME: FINISH |                 |                                       | matec Gen 500<br>MARTINE | (Serial No. <b>E1257</b> / 03         | BAROMETRIC (before): 29,99"  BAROMETRIC (aftor): 29,97" |
|--|-----------------|---------------------------------------|--------------------------|---------------------------------------|---|
| START TIME: FINISH |                 |                                       |                          |                                       | DATIV-  |
| ######################################   | START TIM       | R: 1340                               | 2HRS.                    | START TIME:                           | START TIME:   |
| ## PRESSURE   10   10   10   10   10   10   10   1   |                 |                                       | # PZ                     | FINISH TIME:                          | FINISH TIME:  |
| W-1M   |                 | PRESSUR                               |                          |                                       | PROBE LD PRESSURE                                       |
| W-1D   |                 | <del>-</del>                          | _                        | · · · · · · · · · · · · · · · · · · · |   |
| W-2A   |                 | <del></del>                           |                          |                                       | E-28  |
| W2B   S3M2   S3   S3M2   S3   S4   S4   S5   S5  |                 | do                                    | 1                        |                                       | E-2M  |
| W-3S   W-3D   W-3D   S-4   E-4   E-5S   E-5M   W-5S   S-6M1   S-6M2   E-6   E-7   E-6   E-7   E-8S   E-8M   E-8S   E-8M   E-8S   E-8M   E-6   E-7   E-8S   E-8M   E-8S   E-8M   E-8S   E-8M   E-6   E-7   E-8S   E-8M   E-8S   E   | W2B             | 7-7-                                  | 1,00                     |                                       | E-2D  |
| W-3M   | W-3S            |                                       | 1                        |                                       |   |
| W-4   W-5S   S-6M1   S-6M2   R-7   R-7   R-7   R-8   R-8   R-7   R-7   R-7   R-7   R-8   R-8   R-8   R-7   R-7   R-8     | W-3M            | at                                    | ND                       |                                       |   |
| W-4   W-5S   S-6M1   S-6M2   R-7   R-7   R-8   R-8   R-7   R-7   R-8   R-8   R-9   R-7   R-9   R-9   R-10   R-110      | W-3D            |                                       | ND                       |                                       |   |
| W-5S   W-5M   S-6M1   S-6M2   R-7   R-7   R-8   R-7   R-8   R-7   R-7   R-8   R-7   R-8   R-8   R-9    | W-4             |                                       |                          |                                       |   |
| W-5M W-5D W-6 W-7S W-7N W-7N W-7D W-7D W-8 W-9A W-9A W-9A W-9B W-108 W-100 W-100 W-12 W-12B W-12B W-13 W-14B |                 |                                       |                          |                                       |   |
| W-6 W-78 W-78 W-70 W-8 W-9A W-9A W-9B W-10B W-10B W-10B W-10B W-12B W-12B W-12B W-12B W-12B W-12B W-14B W-14B W-14B W-14B W-14B W-14B W-14B W-14B W-14B W-16B W-16 |                 |                                       |                          |                                       |   |
| N-76      |                 | #                                     | ND                       | S-6D                                  |   |
| W-7M W-7M W-7D W-7M W-8 S-98-R S-9M1-R S-9M1-R S-9M2-R S-10R S-11R E-11D-R E-11D-R E-11D-R E-11D-R E-12 E-13 E-148 E-14M E-14D E-14M E-14D  W-12S W-12M W-12S W-12M W-12B W-13 W-148 W-148 W-14M W-14B W-1 |                 | <u> </u>                              |                          | S-7                                   |   |
| S-98-R   S-9M-R   S-11M-R   S-11M-R   S-11D-R   S-11D-R   S-11D-R   S-12   S-13   S-14S   S-14S   S-14D   S-14S   S-14D   S-14S   S-14D   S-14S   S-14D   S-14S   S-14D    |                 |                                       | - <del>  </del>          | 8-8                                   |   |
| W-8 W-9A W-9B W-108 W-108 W-100  |                 |                                       | <del></del>              | S-95-R                                |   |
| W-9A W-9B W-19S W-10B W-10D W-10D W-11 W-12B W-12B W-12B W-13 W-14B W-14 |                 |                                       | 1-NU                     | <del></del>                           | E-10  |
| W-9B W-10S W-10M + 2" AD W-10D + 1" AD W-12S W-12S W-12S W-12B W-13 W-14B W-14M W-14D W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   |                 |                                       |                          |                                       | E-118-R   |
| W-10N + 2" AD W-10D + 1" AD W-11 S-12 E-13 E-14S E-14S E-14D |                 |                                       |                          | · · · · · · · · · · · · · · · · · · · | E-11M-R   |
| W-10M + 2" AD W-10D + 1" AD W-11 W-12S W-12M W-12D W-13 W-14B W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   | W-18S           |                                       | <del>  </del>            |                                       | E-11D-R   |
| W-10D #.1" AD  W-11  | W-10M           | +.2"                                  | 4/0                      |                                       | E-12  |
| W-12   E-14S   F-14M   E-14D   W-12D   W-13   W-14M   W-14M   W-14M   W-14D   W-14M   W-14D   W-14M   W-14D   W-15D   W-15D   W-15D   W-16D    | W-10D           |                                       |                          | 3-12                                  |   |
| W-12M W-12D W-13 W-14B W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  | W-11            |                                       | 1 2 2                    |                                       |   |
| W-12D W-13 W-14B V-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  | W-12S           |                                       |                          |                                       |   |
| W-14B W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   | V-12M           |                                       |                          |                                       | K-14D   |
| W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   |                 |                                       |                          |                                       |   |
| Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  GEM-500 CALIBRATED TO 2.5% CH.  |                 |                                       |                          |                                       |   |
| Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  GEM-500 CALIBRATED TO 2.5% CH.  |                 |                                       |                          |                                       |   |
| Protocol:  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  The accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   |                 |                                       |                          |                                       |   |
| A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  GEM-500 CALIBRATED TO 2.5% CH.  | A-141)          | · · · · · · · · · · · · · · · · · · · |                          |                                       |   |
| nments:GEM-500 CALIBRATED TO 2.5% CH.  | nitoring        | Protocol:                             | д,                       | Section 1.3.1. Prior to sampling      | each probe is evacuated until the Total Committee       |
| Oddinited for lappratory analyses.   | ime <u>nts:</u> | GEM-50                                | 00 CALIBRATE             | D TO 2.5% CH.                         |   |
|  |                 | Gubi                                  | macu ioi labo            | ratory analyses.                      |   |
|  |                 |                                       |                          |                                       |   |
|  | <del></del>     |                                       |                          |                                       |   |

Revised 8/16/02

| E. M<br>0/04<br>13 <b>9</b> 5<br>1440<br>management | TOC<br>CACES                            | DATE: START TIM FINISH TIM            | R;<br>E:   | noneuvi alma dasa it   | DATE:<br>START I<br>FINISH I  | ETRIC (before):  ETRIC (after);  IME;   |   |
|---|---|---------------------------------------|--|--|---|---|---|
| 13 <b>4</b> 5<br>1440<br>m.vic                      | Toc                                     | START TIM<br>FINISH TIM               | K;   |  | START 1<br>FINISH 1   | TME;  | 100 (n. pg. )   |
| STATUC<br>KENSURE                                   | Toć                                     | PINISH TIM                            | E:   | oon sayatahan askanate   | FINISH  | TME:  |   |
| STATIC<br>KENSTINE                                  | Toć                                     | PINISH TIM                            | E:   | oon invitoria essociate  | FINISH  | 'IME:   |   |
| RESSURE   |   | BROBELLD                              |  | en interestation   | 7 Person - in alter the   |   |   |
| RESSURE   |   | BROBELLD                              |  |  | HARRIST AND THE STREET, | e di la comuna  | Manageria d   |
| ALL ALL STATES                                      |   |                                       | A PHONSHILL  | 100<br>100 Hz  | PROBE   | Tall BRESSIDE   | TOC   |
| j.  | 100000000000000000000000000000000000000 |                                       | Promity Go   |  |   | (mw.c)  | - (%Cff。)   |
|   |   | 8-14                                  | <u> </u>   | _  | E-1   |   |   |
| <del></del>   | <del></del>                             | S-2B                                  |  |  | E-2S  | •   |   |
| 0   | XAA                                     |                                       | <del> </del>   | <del></del>  | <u> </u>  |   |   |
|   |   |                                       | -  |  | 1 J <del></del>   |   | ļ   |
|   |   | 8-3D                                  | <del>                                     </del>   | <del></del>  | <u> </u>  | <u> </u>  |   |
| Ø   | NO                                      | S-4                                   |  |  |   |   | <del>                                     </del>  |
| ·25   | ND                                      | S-5                                   |  | _  | [ <u> </u>  |   | <del> </del> -  |
|   |   | S-6S                                  |  |  | ) <u> </u>  |   | <del></del>   |
|   |   | S-GM1                                 |  |  | E-6   |   |   |
| 77.6  |   | S-6M2                                 |  |  | E-7   |   |   |
| <del>~ 5</del>  -                                   |   |                                       |  |  | FAS   |   |   |
|   |   |                                       |  |  | E-8M  |   |   |
|   |   | <u> </u>                              | <del> </del>   |  | E-SD  |   |   |
| · 5 <sup>H</sup>                                    | MA                                      | ļ-                                    |  | <del>                                     </del>   | <del> </del> -  |   |   |
|   |   | · · · · · · · · · · · · · · · · · · · |  | <del>                                     </del>   | ( <del></del>   | <del></del>   |   |
|   |   | 5-9D-R                                |  | <del> </del>   | ()  |   | <del></del>   |
|   |   | S-10R                                 |  | <del> </del>   |   |   |   |
|   |   | S-11R .                               |  |  | E-12  |   | ·····   |
|   | $\mathcal{M}_{\mathcal{O}}$             | S-12                                  |  |  | E-13  |   |   |
| 8   |   | ļ                                     |  |  | £-148   | <u> </u>  |   |
| <del></del>   |   | <b></b>                               |  |  | E-14M   |   | <del></del>   |
| <del></del> -                                       |   | I                                     | <del> </del>   | <b></b>  | E-14D   |   |   |
|   | <del></del>                             | <del> </del>                          |  | <b> </b>   | <u> </u>  |   |   |
|   | <del> </del>                            | <b> </b>                              |  | <del>                                     </del>   | <b> </b>  |   |   |
|   |   |                                       | <del></del>  | <del>  </del>  |   | <del>- </del>   |   |
|   |   |                                       | *  |  | <b> </b>  |   |   |
|   |   |                                       |  | <b> </b>   | ļ   | +   |   |
|   | \$ . 3" . 5" . 5"                       | - 2" NO                               | S-3M2 S-3M2 S-3D S-4 S-5 S-6S S-6M1 S-6M2 S-6M2 S-6D S-7 S-8 S-9S-R S-9S-R S-9M1-R S-9M2-R S-9D-R S-10R S-11R S-11R S-12 | S-3M1 S-3M2 S-3D S-4 S-5 S-6S S-6M1 S-6M2 S-6M2 S-6D S-7 S-8 S-9S-R S-9S-R S-9M1-R S-9M2-R S-9D-R S-10R S-11R S-12 | S.3M1 S.3M2 S.3D S.4 S.5 S.6S S.6M1 S.6M2 S.7 S.8 S.9S-R S.9M1-R S.9M2-R S.9D-R S.10R S.11R S.12                | \$\frac{\partial \text{S-3M1}}{\partial \text{S-3M2}} \\ \frac{\partial \text{S-3M2}}{\partial \text{S-3M2}} \\ \frac{\partial \text{S-4}}{\partial \text{S-5}} \\ \frac{\partial \text{S-6}}{\partial \text{S-6}} \\ \frac{\partial \text{S-6}}{\partial \text{S-6}} \\ \frac{\partial \text{S-6M2}}{\partial \text{S-6M2}} \\ \frac{\partial \text{S-6M2}}{\partial \text{S-8M}} \\ \frac{\partial \text{S-6M2}}{\partial \text{S-8M}} \\ \frac{\partial \text{S-8M}}{\partial \text{S-9M}} \\ \frac{\partial \text{S-9M-R}}{\partial \text{S-9M-R}} \\ \frac{\partial \text{S-11S-F}}{\partial \text{S-11D-F}} \\ \frac{\partial \text{S-12M-F}}{\partial \text{S-14M}} \\ \frac{\partial \text{S-14M}}{\partial \text{S-14D}} \\ \frac{\partial \text{S-14M}}{\partial \text{S-14M}} \\ \partial \te | \$\frac{\partial \text{S-3M1}}{\partial \text{S-3M2}}\$ \$\frac{\partial \text{S-3}}{\partial \text{S-3}}\$ \$\frac{\partial \text{S-4}}{\partial \text{S-5S}}\$ \$\frac{\partial \text{S-6}}{\partial \text{S-6S}}\$ \$\frac{\partial \text{S-6M2}}{\partial \text{S-6M2}}\$ \$\frac{\partial \text{S-6M2}}{\partial \text{S-6D}}\$ \$\frac{\partial \text{S-6M2}}{\partial \text{S-6D}}\$ \$\frac{\partial \text{S-6M2}}{\partial \text{S-7}}\$ \$\frac{\partial \text{S-6M2}}{\partial \text{S-6M2}}\$ \$\frac{\partial \text{S-6M2}}{\partial \text{S-7}}\$ \$\frac{\partial \text{S-6M2}}{\partial \text{S-6M2}}\$ \$\frac{\partial \text{S-6M2}}{\partial \text{S-7}}\$ \$\frac{\partial \text{S-8M}}{\partial \text{S-8M}}\$ \$\frac{\partial \text{S-8M}}{\partial \text{S-8M}}\$ \$\frac{\partial \text{S-8M}}{\partial \text{S-10}}\$ \$\frac{\partial \text{S-10}}{\partial \text{S-11M-R}}\$ \$\frac{\partial \text{S-11M-R}}{\partial \text{S-11D-R}}\$ \$\frac{\partial \text{S-12}}{\partial \text{S-14S}}\$ \$\frac{\partial \text{S-14M}}{\partial \text{S-14M}}\$ |

Revised 8/16/02

| TECHNCIAN: E                          |   |            | 4/23/0                                | 24               | ~ . —                                  | 4/23/04                               |                                       |
|---------------------------------------|---|------------|---------------------------------------|------------------|--|---------------------------------------|---------------------------------------|
| -                                     |   | DATE:      | 112010                                |                  | DATE:                                  | 107104                                |                                       |
| START TIME: 1312<br>PINISH TIME: 1400 | 5HQ8-   | START TIME | 140                                   | 3 405.           | START TIME<br>PINISH TIME              | 1410                                  | HOS.                                  |
| STATI<br>PROBE I.D. PRESSU<br>In W.C. | RE   TOC                                      | EROFF OF   | PNESTR<br>PINESTR<br>TOTAL            | 700              | PROBE IN                               | STATIC<br>PRESSURE                    | тос<br>(%си,                          |
| W-15                                  | X 0.8 1 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 5-1A       |                                       |                  | ************************************** | (In W.C.)                             | 40                                    |
| W-1M                                  | <del></del>                                   | S-2R       |                                       |                  | E-1                                    | #                                     | NO                                    |
| W-1D                                  |   | S-3S       |                                       |                  | E-2S                                   |                                       | <u> </u>                              |
| W-2A                                  | ND  | S-3MI      |                                       | -                | E-2M                                   |                                       |                                       |
| W2B                                   | <del>-   / · · ·  </del>                      | S-3M2      |                                       |                  | E-2D<br>E-3                            | ·                                     |                                       |
| W-3S                                  |   | S-3D       |                                       |                  | E-4                                    | · · · · · · · · · · · · · · · · · · · |                                       |
| W3M                                   | NO  | S-4        |                                       |                  | <del> </del>                           |                                       |                                       |
| W3D #                                 | ND  | 5-5        | · · · · · · · · · · · · · · · · · · · | <del></del>      | E-SS<br>E-5M                           | · · · · · · · · · · · · · · · · · · · |                                       |
| W-4                                   |   | 8-68       |                                       |                  | E-5D                                   |                                       |                                       |
| W-58                                  |   | S-6M1      |                                       |                  | E-6                                    |                                       |                                       |
| W-5M                                  | <del>-  </del>                                | S-6M2      | <del>'</del>                          | <del></del>      | E-7                                    |                                       |                                       |
| W-5D 🕏                                | ND  | S-6D       |                                       |                  | E-8S                                   |                                       | ·                                     |
| W.6                                   |   | S-7        |                                       |                  | E-8M                                   | Æ.                                    | ND                                    |
| W-78                                  |   | S-8        |                                       |                  | E-8D                                   | 7-                                    | 741                                   |
| W-7M                                  |   | 8-98-R     | <del></del>                           | <del>-    </del> | E-9                                    |                                       | -                                     |
| W-7D +12"                             | ND  | 5-9M1-R    |                                       |                  | E-10                                   |                                       |                                       |
| W-8                                   |   | S-9M2-R    |                                       |                  | E-118-R                                |                                       |                                       |
| W-9A                                  |   | 5-9D-R     |                                       | 1                | E-11M-R                                |                                       | · · · · · · · · · · · · · · · · · · · |
| W-9B                                  |   | S-10R      |                                       |                  | E-11D-R                                | -:3"                                  | ND                                    |
| W-10S                                 |   | S-11R      |                                       |                  | Ř-12                                   | <del></del>                           |                                       |
| W-10M #                               | NO  | S-12       | af-                                   | NI               | F-13                                   |                                       |                                       |
| W-10D · +./*                          | NO  |            | -,                                    |                  | E-14S                                  |                                       |                                       |
| W-11                                  |   |            |                                       |                  | E-14M                                  | 4                                     | NO                                    |
| W-12S                                 |   |            |                                       |                  | E-14D                                  | #                                     | ND                                    |
| W-12M                                 |   |            |                                       |                  |  |                                       |                                       |
| W-12D                                 |   |            |                                       |                  |  |                                       | <u>-</u>                              |
| W-13                                  |   |            |                                       |                  |  |                                       |                                       |
| W-1484"                               | ND  |            |                                       |                  |  |                                       |                                       |
| W-14M                                 |   |            |                                       |                  |  |                                       |                                       |
| W-141)                                |   |            |                                       |                  |  |                                       |                                       |

Compound concentration remains constant for 30 seconds,

| Comments:                             | GEM-500 CALIBRATED TO 2.5% CH,       |
|---------------------------------------|--------------------------------------|
|                                       | * Submitted for laboratory analyses. |
|                                       |                                      |
| · · · · · · · · · · · · · · · · · · · |                                      |
| <del></del>                           |                                      |

Revised 8/16/02

Project No. 07199027.00

| BRADLEY LANDFILL GAS   | PROBE READING   |
|--|---|
| EQUIPMENT USED: Limited Gem 500 (Script No. £12.57)                                    | 4/26/04 - 4/27/6  BAROMETRIC (before): 30.03" _  BAROMETRIC (after): 30.00" _ |
| TECHNOIAN ERLESTO MARTINEZ   | BAROMETRIC (after): 30.000  |
| DATE: 4/26/04 DATE: 4/26/04  | DATE:   |
| START TIME: 1000 H23. START TIME: 1215 H<br>FINISH TIME: 1210 H29. FINISH TIME: 1340 H | 26. START TIME:<br>125. FINISH TIME:  |
| PROBE ID PRESSURE TO DROBE-in Tempseon   | TOC PROBE IN PRESSION TOC   |
| W-15 # ND S-1A N/A   | N/A E-1   |
| W-1D   | N/A 6-25<br>ND E-2M   |
| W2B & UD S3M1 &  | NO E-2D   |

|          | STATIC         | ka seria    |
|----------|----------------|-------------|
| PROBE II | PRESSURE       | TOC         |
|          | (mw.c)         | CwCH0       |
| W-1S     | - <del> </del> | ND          |
| W-1M     | 4              | ND          |
| W-1D     | ap-            | NO          |
| W-2A     | #              | ND          |
| W213     | esp .          | ND          |
| · W-38   | -0             | ND          |
| W-3M     | 2"             | NO          |
| W-3D     | -,2"           | ND          |
| W-4      | ** ·           | _ <i>ND</i> |
| W-58     | <i>\$</i>      | ND          |
| W-5M     | B*             | ND          |
| W-5D     | 7.6"           | ND          |
| W-6      | 4              | ND          |
| W-78     | 4              | ND          |
| W-7M     | -,3"           | ND          |
| W-7D     | 3"             | ND          |
| ¥V-8     | <del></del>    | NO          |
| W-9A     | 4              | NO          |
| W-9B     | ant-           | ND          |
| W-10S    | cgd-           | ND          |
| W-10M    | ±1.3°          | ND          |
| W-10D    | 4              | ND          |
| W-11     | 45             | ND          |
| W-125    | espo           | ND          |
| W-12M    | <i>\$</i>      | ND          |
| W-12D    | ragh.          | ND          |
| W-13     |                | ND          |
| W-14S    | 4"             | NO          |
| W-14M    | af             | ND          |
| W-14D    | 4              | $\Lambda D$ |

| S-1A  | IA<br>IA<br>ID |
|---|----------------|
| S-1A N/A N<br>S-2B N/A N<br>S-3B  | IA<br>IA<br>ID |
| S-1A N/A N S-2B N/A N S-3B N/A N S-3S N S-3M1 N S-3M2 N S-3M2 N S-4 N S-5 N S-6S N S-6S N S-6M1 N S-6M2 N   | 10             |
| S-2B N/A N S-3S \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  | 10             |
| S-3S  | 10             |
| S3M1  | 10             |
| S3M2 & A<br>S3D & A<br>S-4 & A<br>S-5 & A<br>S-68 & A<br>S-6M1 & A<br>S-6M2 & A   | 112            |
| S-3D  | 1/2            |
| S-4 \$ N<br>S-5 \$ N.<br>S-68 \$ N<br>S-6M1 \$ N<br>S-6M2 \$ N  |                |
| S-5 \$\frac{1}{2} \mathred{M}\$. \$\frac{1}{2} \mathred{M}\$. \$\frac{1}{2} \mathred{M}\$. \$\frac{1}{2} \mathred{M}\$. \$\frac{1}{2} \mathred{M}\$. \$\frac{1}{2} \mathred{M}\$. | עוו            |
| 8-68  | <u> </u>       |
| S-6M1 & at<br>S-6M2 & A   | <u> </u>       |
| S-6M2   | 0              |
|   | ク              |
| S-6D 4 1  | D              |
|   | 0              |
| S-7 + ~   | 1.12           |
| S-8 5   | <b>7</b> )     |
| S-98-R ≠ N  | 5              |
| S-9M1-R   | 7              |
| S-9M2-R <≠ 1/4  | 5              |
| S-9D-R  | $\mathcal{D}$  |
| S-10R - A   | 75             |
| S-11R P   | D              |
| S-12 - N/   | 5              |
|   |                |
|   |                |
|   | <del> </del>   |
|   |                |
|   |                |
|   |                |
|   |                |
|   |                |
|   | .  }           |
|   |                |

| РЙОВК 1A    | ST<br>PRE | atic<br>SSURL | TOU<br>(%CH.) |
|-------------|-----------|---------------|---------------|
|             | On        | w.c.          | CANALO        |
| E-1         | ļ         |               |               |
| E-25        | <u> </u>  |               |               |
| E-2M        |           |               |               |
| E-2D        |           |               |               |
| F3          |           | _             |               |
| E-4         |           |               |               |
| E-SS        |           |               |               |
| E-5M        |           |               |               |
| £-5D        |           |               |               |
| E-6         |           | -             |               |
| E-7         |           |               |               |
| IS-88       |           |               |               |
| E-8M        |           |               |               |
| C(8-31      |           |               |               |
| E-9         |           |               |               |
| <b>T-10</b> |           |               |               |
| E-11S-R     |           |               |               |
| E-11M-R     |           |               |               |
| E-11D-R     |           |               |               |
| E-12        |           |               |               |
| E-13        |           |               |               |
| E-14S       |           |               |               |
| E-14M       |           |               |               |
| E-14D       |           |               |               |
|             |           |               |               |
|             |           |               |               |
|             |           |               |               |
|             |           |               | <del></del>   |
|             |           |               | <del></del>   |
|             |           | <del></del>   | <del></del>   |
|             |           |               |               |

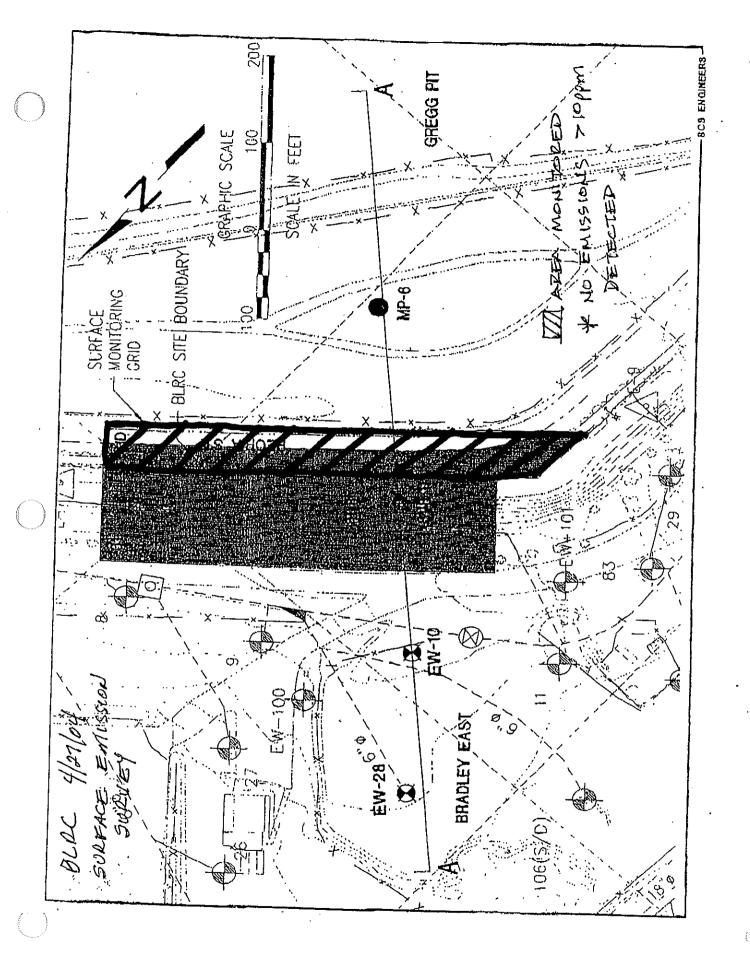
Monitoring Protocol:

Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.

| Comments: GEM-500 CALIBRATED TO 2.5% CH | • |
|---|---|
| * Submitted for laboratory analyses.    |   |
|   |   |
|   |   |
|   |   |

Revised 8/16/02

Project No. 07188027.00



# SCS FIELD SERVICES, INC. ORGANIC VAPOR ANALYZER CALIBRATION LOG

| Site: BLRC  | <u>,                                      </u> |                          | •  | •  |   |
|---|--|--------------------------|--|--|---|
| Purpose: GURFACE  | S BMISSION                                     | is sur                   | NOY G  | es # 31  | <br>D   |
| Operator: ERNES-  | TO MARTI                                       | NBZ                      |  |  | Andreas and the second |
| Date: Start 4/27/04                                     | Finish _                                       | 4/27/04                  |  | and Carlotte and the fact to an immediate the subsection |   |
| Model # Serial #  |  |                          | ·  |  |   |
| INSTRUMENT INTEGRII                                     | Y CHECKLIST                                    | <u> </u>                 | nstrument  | CALIBRATIO   | ON  |
| Battery test  | Pass/Fail                                      | Perform thre             | e-point internal   | calibration befo   | Te use.   |
| Reading following ignition  Leak test                   | 10 ppm<br>PassFail                             | Calibration<br>Gas (ppm) | CALIBRAT<br>Actual<br>(ppm)  | TON CHECK % Accuracy                                     | Amblent<br>(ppm)  |
| Clean system check<br>(check valve chatter)             | PassFail                                       | 500                      | 500  | 1008   | 10  |
| H₂ supply pressure gauge<br>(acceptable range 9.5 — 12) | Pass/Dail                                      | Time                     | AU<br>Calibration<br>Gas (ppm)   | DIT<br>Actual<br>(ppm)                                   | %<br>Accuracy   |
|   |  | i.                       | 500  | 500  | 100%  |
| ·   |  | 2.                       | 500  | 500  | 2001  |
|   |  | Instrument ca            | librated to  | #4 gas.  |   |
| Comments:   |  |                          |  |  |   |
| Conditiones:  |  |                          | T PT A SEC AND A SEC |  |   |
|   |  |                          | <u> </u>   |  |   |
|   |  |                          |  |  |   |
|   |  |                          |  |  |   |
|   |  |                          |  |  |   |

BRADLEY LANDFILL GAS PROBE READING # 4/26/04 - 4/27/04 BAROMETRIC (before): 30.03" - 29.99" BAROMETRIC (alla): 30.00" - 29.99" EQUIPMENT USED: Landrec Gem 500 (Serial No. £1257) THEHNCIAN: ERNESTO MARTINEZ DATE: 4/24/04 DATE: STARTTIME: 1000 4105. FINISH TIME: 1210 +125. START TIME: 1215 HRS. FINISH TIME: 1340 HES.

|            | S ISBN SACTOR      | A CENTRAL PROPERTY OF THE PARTY |
|------------|--------------------|--|
| DOM DR. F. | STATIC<br>PRESSURE | roe  |
| FREDERIC   | On W.E.            | C/CH.  |
| W-IS       |                    |  |
| ]          | 7,                 | ND   |
| W-1M       |                    | ND   |
| W-1D       | o≠=                | 10   |
| W-2A       | + <del>\$</del>    | ND   |
| W2B        | <del>«≠</del>      | $\sim$   |
| W-38       |                    | ND   |
| W-3M       | 2"                 | ND   |
| W.3D       | 2"                 | ND   |
| - W-4      | <i>=</i>           | ND   |
| W-58       | #                  | ND   |
| W-5M       | -1.5°              | ND   |
| W-5D       |                    | _ND_   |
| W-6        | 4                  | ND   |
| W-78       | #                  | $\mathcal{ND}$   |
| W-7M       | -,3"               | MD   |
| / W-7D     | ~. <i>3</i> ^      | MD   |
| W-8        | 7                  | ND   |
| W-9A       | e plan             | ND   |
| W-9R       | #                  | ND   |
| W-10S      | <del>- 7</del>     | ND   |
| W-10M      | r-c_311            | ND   |
| M-10D      | *                  | ND   |
| W-11       | 9p                 | ND   |
| W-12S      | cots               | ND   |
| W-12M      | <b>₽</b> .         | ND   |
| W-12D      | e-ijk              | ND   |
| W-13       | 1                  | ND   |
| W-148      | 4"                 | 10   |
| W-14M      | af-                | ND   |
| W-14D      | 4                  | 1/D  |

| <b>数据程数</b> 数  |  |              | កា |
|----------------|--|--------------|----|
| PROBE TO       | e preside  | * Tors       | 1  |
|                |  | (8616)       | H  |
| S-1A           |  |              | 4  |
| S-2B           | +3/2-  | 11/4         | 4  |
| S-3S           | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\           | NIA          | ╢  |
| S-3M1          | <del>                                     </del> | 1 40.        | 1  |
| \$-3M2         | 7  | NO           |    |
| 8-3D           | + 3  | ND           | 1  |
| S-4            | 1-5-   | 1 10         |    |
| S-5            | <del>                                     </del> | 10           |    |
| S-6S           | 4  | 100          |    |
|                | 7  | NO           |    |
| S-6M1<br>S-6M2 | +  | WD           |    |
| S-6D           | 7  | ND           | ]  |
| S-7            |  | ND           |    |
| 3-8            | 5  |              | ١. |
| S-9S-R         | - <del>4</del>                                   | ~ <u>~~</u>  | 7  |
| S-9M1-R        | 5  | ~~           |    |
| S-9M2-R        | <del>7</del>                                     | NO.          |    |
| S-9D-R         |  |              |    |
| S-10R          | 7  | -76          |    |
| S-11R          |  | ND           |    |
| S-12           | - de   | NO           |    |
|                |  |              |    |
|                |  |              |    |
| <del></del>    |  |              |    |
|                |  | ——— <u> </u> |    |
|                | <del></del>                                      |              |    |
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|                |  | <del> </del> |    |
| <u> </u>       | <del></del>                                      |              | •  |
|                | <del></del>                                      |              |    |
|                |  |              |    |

| RIMEH LIW       | E:/ <i>040</i> | H29.        |
|-----------------|----------------|-------------|
| eres representa |                |             |
| 200             | BTATIC         | VARIATE T   |
| PROBE LI        | PRESSURE       | THE SHOOL   |
|                 | (mw.c)         | THE COST OF |
| R-1             | #              | 4/0         |
| E-2S            | #              | ND          |
| E-2M            | .4             | ND          |
| E-2D            | ap             | ND          |
| E-3             |                | ND          |
| E-4             | #              | ND          |
| E 55            | 4              | ND          |
| K-SM            | 4              | ND          |
| E-SD            | <b>₹</b>       | ND          |
| E-6             | #              | ND          |
| E-7             | #              | ND          |
| E-85            | -,4"           | ND          |
| E-8M            | -1/"           | ND          |
| E-SD            | -,64           | 24.7        |
| E-9             | #              | ND          |
| E-10            | - <del></del>  | ND          |
| E-11S-R         | 4              | ND          |
| K-11M-R         | -, Z"          | ND          |
| E-11D-R         |                | ND          |
| E-12            | #              | NO          |
| E-13            | 2"             | ND          |
| E-14S           | -1/4           | ND          |
| R-14M           | - <del></del>  | rJ25        |
| E-14D           | 2"             | ND          |
|                 | <del>-,</del>  |             |
| <u>.</u>        | ·              |             |
|                 | ·              | ]           |
|                 |                |             |
|                 |                |             |
|                 |                |             |

Monitoring Protocol:

Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.

| Comments: GEM-500 CALIBRATED TO 2.5% CH. |  |
|--|--|
| * Submitted for laboratory analyses.     |  |
|  |  |
|  |  |
|  |  |

| TECHNCIAN: <u>E</u>               | PLIESTO M          | (Serial No. E1257)<br>ALTIAIEZ         | BAROMETRIC (before): 29.79"  BAROMETRIC (after): 29.77" |
|-----------------------------------|--------------------|--|---|
| DATE: 4/20/6                      | 24                 | DATE:                                  | DATE:   |
| TART TIME: 12<br>TIME: 13         | SO HEG.<br>35 HEG. | START TIME:                            |   |
| W-1S W-1D                         | TIRE               | PROBLE BD DAMSSORE  S-1A  S-2B         | PROBE IN PRESSURE TOC<br>ON WO. 3 COC. 1.               |
| W-2A                              | NO                 | S-3S<br>S-3M1<br>S-3M2<br>S-3D         | E-2S<br>E-2M<br>K-2D<br>E-3                             |
| W-3D + 2 W-4 W-5S W-SM            |                    | S-4<br>S-5<br>S-6S<br>S-6M1            | E-5N<br>E-5M<br>E-5D                                    |
| W 5D +.2' W-6 W-7S W-7M           | NO                 | S-6M2<br>S-6D<br>S-7<br>S-8            | E-7<br>E-88<br>E-8M                                     |
| W-7D                              | ND                 | S-9S-R<br>S-9M1-R<br>S-9M2-R<br>S-9D-R | E-9<br>E-10<br>IC-118-R                                 |
| V-108<br>'-10M + 3"<br>'-10D + 2" | JID<br>JUN         | S-10R<br>S-11R<br>S-12                 | E-11M-R<br>K-11D-R<br>E-12<br>E-13                      |
| V 11<br>V 12S<br>-12M<br>-12D     |                    |  | P-14S<br>E-14M<br>E-14D                                 |
| /-13<br>-145<br>-14M<br>-14D      |                    |  |   |

A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds,

| Comments: | GEM-500 CALIBRATED TO 2.5% CH,       |
|-----------|--------------------------------------|
|           | * Submitted for laboratory analyses. |
|           |                                      |
|           |                                      |
|           |                                      |

Revised 8/16/02

Project No. 07199027,00

| ILCHNO                   | IAN: M.                               | saldame  | 24                      | BAROMETRIC (before): 29.90 BAROMETRIC (after): 29.90 |
|--------------------------|---------------------------------------|--|-------------------------|--|
|                          | •                                     | 4  | DATE:                   | DATE:  |
| START TIM<br>FINISH TIME | 16: <i>1315</i><br>16: <i>1420</i>    |  | START TIMB:FINISH TIMB: | START TIME;  |
|                          | STATIC                                |  |                         | FINISH TIMH:   |
| ROBELI                   | PRESSURE<br>(in W.C.)                 | AL BREEZERSEEN NOR                               | TROUT OR PRESSURE       | TOC<br>COLUMN PROBE LU PRESSURE TOC                  |
| W-18                     |                                       |  | S-1A                    | (in W.c.) (%CH                                       |
| W-1M                     |                                       |  | S-2B                    | <u>E-1</u>   |
| W-1D                     |                                       |  | 9-38                    | E-2S   |
| W-2∧                     | Ø                                     | NO   | S-3M1                   | E-2M   |
| WZB                      | 1                                     |  | 8-3M2                   | E-2D   |
| W-3S                     |                                       |  | S-3D                    | E-3  |
| W-3M                     | \$                                    |  | S-4                     | E-4  |
| W-3D                     | 3                                     | ND   |                         | K-58   |
| W-4                      |                                       |  | S-5                     | E-5M   |
| W-55                     |                                       | <del></del>                                      | S-6\$                   | E-5D   |
| W-5M                     | · · · · · · · · · · · · · · · · · · · | <del>                                     </del> | S-6M1                   | K-6  |
| W-SD                     | - 1.0                                 | WO   | S-6M2                   | E-7  |
| W-6                      |                                       |  | S-6D                    | E-8S   |
| W-78                     |                                       |  | S-7                     | F-8M   |
| W-7M                     |                                       |  | 8-8                     | E-8D   |
| W-71)                    | - 1.0                                 | . 1/0  | S-9S-R                  | E-9  |
| W-8                      | 7.5                                   | - 740  | S-9M1-R                 | E-10   |
| W-9A                     |                                       |  | S-9M2-R                 | E-11S-R  |
| W 9B                     |                                       |  | S-9D-R                  | E-11M-R  |
| Y-108                    |                                       |  | 5-10R                   | F-11D-R  |
| Y-10M                    | 6                                     | ND   | S-11R                   | K-12   |
| V 10D                    | - AS                                  |  | S-12                    | E-13   |
| W-11                     |                                       | NO.  |                         | E-14S  |
| V-12S                    |                                       | <del> </del>                                     |                         | E-14M  |
| /-12M                    |                                       |  |                         | E-14D  |
| /-12n                    |                                       | <del></del>                                      |                         |  |
| V-13                     | <del></del>                           | <del></del>                                      |                         |  |
| /-14S                    | <del></del>                           | <del></del>                                      |                         |  |
| -14M                     |                                       |  |                         |  |
| -14D                     |                                       | ———  |                         |  |
|                          |                                       |  |                         |  |

A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.

| Comments: GEM-500 CALIBRATED TO 2.5% CH. |  |
|--|--|
| * Submitted for laboratory analyses.     |  |
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|  |  |
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Revised 8/16/02

Project No. 07199027.00

| EQUIPMENT USED: Landton Gan 500                | (Saral No E1257)                 | BAROMETRIC (before): 30.02"               |  |  |
|--|----------------------------------|---|--|--|
| TECHNOIAN: E. MARTINE                          | 2                                | BAROMETRIC (uffer) 30.01                  |  |  |
| DATE 4/30/04                                   | DATE 4/30/04                     | DATE 4/30/04                              |  |  |
| SI ARI TIME 1315 H25.<br>FINISH TIME 1350 H25. | START TIME 1353 HRS. FINISH TIME | STARTTIME 1400 HRI. FINISH TIME 1430 HRI. |  |  |

| PROBE ID. STATIC PRESSURE (ID W.C.)  W-1S  W-1M  W-1D  W-2A  W2B  W-3S  W-3M  W-3D  W-1  W-5D  W-1  W-5D  W-7S  W-7M  W-7D  W-8  W-9A  W-9A  W-10S  W-10S  W-10D  W-12S  W-12M  W-12D  W-13  W-14S  W-14M  W-14D   |       |                    |                            |
|--|-------|--------------------|----------------------------|
| W-1M   W-1D   W-2A   P   ND   W-2B   W-3S   W-3M   P   ND   W-3D   NO   W-1   W-5D   N-2°   ND   W-5D   W-7S   W-7M   W-7D   N-3°   ND   W-9B   W-9A   W-9B   W-10S   W-10M   N-10°   W-12S   W-12M   W-12S   W-12M   W-12D   W-13   W-14S   N-14M   W-14M   |       | STATIC<br>PRESSURE | TOC<br>(%CH <sub>d</sub> ) |
| W-1D   | W-1S  |                    |                            |
| W-2A   | W-1M  |                    |                            |
| W2B  | W-1D  |                    |                            |
| W2B  | W-2A  | #                  | ND                         |
| W-3M   | W2B   |                    |                            |
| W-3D -1 AO  W-1 W-5S W-5M W-5D2 AD  W-6 W-7S W-7N W-7D3 A  W-9A W-9A W-9B W-10S W-10M W-10D W-11 W-12S W-12M W-12D W-13 W-14S W-14M  | W-3S  |                    |                            |
| W-3D W-5S W-5M W-5D W-6 W-7S W-7S W-7M W-7D W-8 W-9A W-9B W-10S W-10S W-10D W-10D W-11D W-12S W-12M W-12D W-13 W-14S W-14M   | W-3M  | af-                | MD                         |
| W-1 W-5S W-5M W-5D W-6 W-7S W-7M W-7D W-7D W-8 W-9A W-9B W-10S W-10S W-10D W-10D W-12S W-12M W-12D W-13 W-14S W-14M  | W-3D  | -11                | 40                         |
| W-5M   | W-1   |                    |                            |
| W-5D 2°  | W-5S  |                    |                            |
| W-6  | W-5M  |                    | -                          |
| W-6   W-75   W-75   W-75   W-75   W-7M   W-7D  | W-5D  | ~·2°               | MD                         |
| W-7M W-7D,3n W-8 W-9A W-9A W-9B W-10S W-10S W-10D W-110D W-111 W-12S W-12M W-12D W-13 W-14S W-14M  | W-6   |                    |                            |
| W-7D   -, 3n   ND   W-9A   W-9A   W-9B   W-10S   W-10D   MD   ND   W-11   W-12S   W-12M   W-12D   W-13   W-14S   -/3n   ND   W-14M   | W-75  |                    |                            |
| W-8   W-9A   W-9B   W-10S   W-10M   W-10D   W-11   W-12S   W-12M   W-12D   W-13   W-14S   -/3^n   ND   W-14M   W-14M | W-7M  |                    |                            |
| W-8   W-9A   W-9B   W-10\$   W-10M  /^n   A/D   W-10D   A/D   A/D   W-12   W-12M   W-12D   W-13   W-14\$   -/3^n   A/D   W-14M   W-  | W-7D  | -,3"               | NE                         |
| W-9B   W-10S   W-10M  /^   | W-8   |                    | <del></del>                |
| W-10S W-10M/^ ND W-10D # ND W-11 W-12S W-12M W-12D W-13 W-14S -/3^ ND  | W-9A  |                    |                            |
| W-10M/^  | W-9B  |                    |                            |
| W-10D  | W-10S |                    |                            |
| W-10D  | W-10M | /-                 | NO                         |
| W-11<br>W-128<br>W-12M<br>W-12D<br>W-13<br>W-14S<br>W-14M  | W-10D |                    | ND                         |
| W-12M<br>W-12D<br>W-13<br>W-14S -/3" AD<br>W-14M   | W-11  |                    |                            |
| W-12D<br>W-13<br>W-14S -/3n AD<br>W-14M  | W-12S |                    |                            |
| W-14S - 13° MD<br>W-14M  | W-12M |                    |                            |
| W-14S -/3" ND<br>W-14M   | W-12D |                    |                            |
| W-14M  | W-13  |                    |                            |
| W-14M  | W-14S | -/3-               | ~/~                        |
|  | W-14M |                    |                            |
|  |       |                    |                            |

| Ħ          | STATIC<br>PRESSURE<br>(In W.C.) | TOC<br>(%CH <sub>4</sub> ) |
|------------|---------------------------------|----------------------------|
| S-1A       |                                 | 1                          |
| S-2B       |                                 | 1                          |
| S-3S       |                                 |                            |
| S-3M1      |                                 | T                          |
| S-3M2      |                                 | † — — —                    |
| \$-3D      |                                 |                            |
| S-4        |                                 |                            |
| <b>3-5</b> |                                 |                            |
| 3-65       |                                 |                            |
| S-6M1      |                                 |                            |
| \$-6M2     |                                 |                            |
| S-6D       |                                 |                            |
| S-7        |                                 |                            |
| 8-2        |                                 |                            |
| 5-95-R     |                                 |                            |
| 2-9M1-K    |                                 |                            |
| S-9M2-R    |                                 |                            |
| S-91)-R    |                                 |                            |
| S-10R      |                                 |                            |
| S-11R      |                                 |                            |
| S-12       |                                 | ND                         |
|            |                                 |                            |
|            |                                 |                            |
|            |                                 |                            |
|            |                                 |                            |
|            |                                 |                            |
|            |                                 |                            |
|            |                                 |                            |
|            |                                 |                            |
|            |                                 |                            |

|             | · · · · · · · · · · · · · · · · · · · | - E+K1        |
|-------------|---------------------------------------|---------------|
| PROBE LP    | STATIC<br>PRESSURE<br>(in W.C.)       | TOC<br>(%CEL) |
| E-1         | #                                     | NO            |
| E-28        |                                       |               |
| £-2M        |                                       |               |
| E-2D        |                                       |               |
| E-3         |                                       |               |
| E-4         |                                       |               |
| E-5S        |                                       | 1             |
| E-SM        |                                       |               |
| E-SD        |                                       |               |
| <b>E</b> -6 |                                       |               |
| E-7         |                                       |               |
| E-85        |                                       |               |
| E-XM        | 4                                     | ND            |
| E-8D        |                                       |               |
| F-9         |                                       |               |
| E-10        |                                       |               |
| £-115-R     |                                       |               |
| E-11M-R     |                                       |               |
| E-11D-R     | 6"                                    | ND            |
| £-12        |                                       |               |
| E-13        |                                       |               |
| E-145       |                                       |               |
| E-1-1M      | #                                     | ALD.          |
| E-1-D       | 31                                    | ND            |
|             |                                       |               |
|             |                                       |               |
|             |                                       |               |
|             |                                       |               |
|             |                                       |               |
|             |                                       |               |
|             |                                       |               |

T-489

P.001/001

Monitoring Protocol:

Probe monitoring is conducted in accordance with SCAQMD Rule 1150 1, Attachment A. Seenon 1.3.1 Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds

| Comments:   | GEM-500 CALIBRATED TO 2.5% CH.     |
|-------------|------------------------------------|
|             | Submitted for laboratory analyses. |
| <del></del> |                                    |
|             |                                    |
|             |                                    |

-Revised 8/16/02

Project No. 07199027.00

| EQUIPMENT<br>TECHNCI  | TUSED: Land<br>AN: <i>Ramo</i>              | tec Gem 590 (1<br>N <u>JBARRA</u> | BAROMETRIC (before): 28.87 BAROMETRIC (after): 28.92  |   |  |  |
|---|---|-----------------------------------|---|---|--|--|
| DATE:   |   |                                   | DATE:   | DATE: 5-3-04                            |  |  |
| START TIME: /630<br>FINISH TIME: /730   |   |                                   | START TIME:FINISH TIME:   | START TIME:FINISH TIME:                 |  |  |
| W-1S W-1M W-1D W-2A W2B W-3S W-3M W-3D W-4 W-5S W-5M W-5D W-6 W-7S W-7M W-7D W-8 W-9A W-9B W-10S        | STATIC PRESSURE (m-W.C)  O.O  O.O  O.O  O.O | 0.0<br>0.0<br>0.0                 | S-1A S-2B S-3S S-3M1 S-3M2 S-3D S-4 S-5 S-6S S-6M1 S-6M2 S-6D S-7 S-8 S-9S-R S-9M1-R S-9M2-R S-9D-R S-10R | STATIC   TOC   C/4CH4)                  |  |  |
| W-10M<br>W-10D<br>W-11<br>W-12S   | 0.0   | 0.0                               | S-11R<br>S-12   | E-12<br>E-13<br>E-14S<br>E-14M<br>E-14D |  |  |
| W-12M<br>W-12D<br>W-13<br>W-14S<br>W-14M<br>W-14D   |   |                                   |   |   |  |  |
| <b>Monitoring</b>   |   | A,<br>Co                          | Section 1.3.1. Prior to sampling e ompound concentration remains con                                      |   |  |  |
| Comments: GEM-500 CALIBRATED TO 25% CH., WILL USE 2.5% ON 5-4-04.  * Submitted for laboratory analyses. |   |                                   |   |   |  |  |

|                       |                                 |  | (Serial No.   | 7406                                   |  |                                       | BAROMETR  | IC (before): 28                 | 5.96   |
|-----------------------|---------------------------------|--|---|--|--|---------------------------------------|---|---------------------------------|--|
| ,<br>CECHNCL          | AN: Rame                        | m Isar   | -   |  |  |                                       | BAROMETR  | (C (after): 2 8                 | 5.88   |
| DATE:                 | 5/4/04                          |  | DATE:   | 5/4/09                                 | <b>,</b>   |                                       | DATE:   | 5/4/04                          |  |
| TART TIME             | - <del>/436</del><br>           | 1330   | START TIME<br>FINISH TIME                           | :                                      |  | -                                     | START TIME                                      |                                 |  |
|                       |                                 |  |   |  |  | -                                     |   | "                               |  |
| PROBE I.D.            | STATIC<br>PRESSURE<br>(in W.C.) | TOC<br>(AGH)                                     | PROBUTO   | STATUC<br>PRESSURE<br>OT WE            | 100  |                                       | PROBE LD  | SIATIC<br>PRESSURE<br>(In W.C.) | roc<br>(%CH)                                     |
| W-1S                  |                                 |  | S-1A  |  |  | 4                                     | F 1   |                                 |  |
| W-1M                  | <del> </del>                    | <del> </del>                                     | S-2B  |  | <del>- </del>  | -                                     | E-1<br>E-2S                                     | -0.0                            | 0.0  |
| W-1D                  |                                 | <del> </del>                                     | S-2B<br>S-3S  |  | 1  | -                                     | <del>                                    </del> | <b> </b>                        | +  |
| W-2A                  | -00.0                           | 0.0  | S-3M1   |  | <u> </u>   | -                                     | E-2M<br>E-2D                                    | <u> </u>                        | <del> </del>                                     |
| W2B                   | 00.0                            | V.U_   | S-3M1   |  |  | $\parallel$                           | E-2D<br>E-3                                     |                                 | +  |
| W-3S                  | <u> </u>                        |  | S-3ID   |  | +  | -                                     | E-4   | <u> </u>                        | <del> </del>                                     |
| W-3M                  | -0.0                            | 0.0  | S-4   |  | 1  | 1                                     | E-5S  |                                 | <del> </del>                                     |
| W-3D                  | -0.0                            | 0.0  | S-5   |  |  | 1                                     | E-5M  |                                 |  |
| W-4                   |                                 |  | S-6S  | L                                      | <b> </b>   | 1                                     | E-5D  |                                 | <del> </del>                                     |
| W-5\$                 |                                 |  | S-6M1   |  |  | 1                                     | E-6   |                                 | 1  |
| W-5M                  |                                 |  | S-6M2   |  |  | 7                                     | E-7   |                                 |  |
| W-5D                  | -0.0                            | 0.0  | S-6D  |  |  | ][                                    | E-85  |                                 |  |
| W-6                   |                                 |  | S-7   |  |  | ]                                     | E-8M  | -0.0                            | 0.0  |
| W-7S                  |                                 |  | S-8   |  |  | ╝                                     | E-8D  |                                 | ,  |
| W-7M                  |                                 |  | S-9S-R  |  |  | _                                     | E-9   |                                 |  |
| W-7D                  |                                 | <b> </b>   | S-9M1-R   |  |  | . ∥                                   | E-10  |                                 | ļ  |
| W-8                   |                                 | <b> </b>   | S-9M2-R   |  |  | 4                                     | E-11S-R   |                                 | ļ  |
| W-9A<br>W-9B          |                                 | <del>                                     </del> | S-9D-R  | ······································ | <u> </u>   | -                                     | E-11M-R   |                                 | <del> </del>                                     |
| W-9B<br>W-10S         | <u> </u>                        | <del> </del>                                     | S-10R   |  | <del> </del>   | -                                     | E-11D-R   | -0.0                            | 0.0  |
| W-108<br>W-10M        | -00                             | <del> </del>                                     | S-11R   | -0.0                                   | <del>                  _     _     _</del> | -                                     | E-12  |                                 |  |
| W-10M<br>W-10D        | -0.0                            | 0.0  | S-12  | -0.0                                   | 0.0  | -[]                                   | E-13  |                                 | <del> </del>                                     |
| W-111                 | -0.0                            | 0.0  |   |  |  | -                                     | E-14S   | A A                             | 100  |
| W-12S                 | ·····                           | <del> </del>                                     | <u> </u>  |  | 1  | ┨ ┃                                   | E-14M<br>E-14D                                  | -0.0                            | 0.0  |
| W-12M                 |                                 |  |   |  | <b> </b>   | ∥                                     | 15-1415   |                                 | <del> </del>                                     |
| W-12D                 |                                 |  |   |  |  | ∥                                     |   |                                 | <del> </del>                                     |
| W-13                  |                                 |  |   | <del> </del>                           |  | 1                                     |   | ,                               |  |
| W-148                 | -0.0                            | 0.0  |   |  |  | 1 1                                   |   |                                 | <del>                                     </del> |
| W-14M                 |                                 |  |   |  | <u> </u>   | 1                                     |   |                                 | 1  |
| W-14D                 |                                 |  |   |  |  | <b>∄</b> │                            |   |                                 |  |
| W-14D  <br>Ionitoring | Protocol:                       |  | Probe monitoring i                                  |  |  |                                       |   |                                 |  |
| omments:              | <i>20</i><br>GEM-58             | o0   | A, Section 1.3.1. I Compound concen FED TO 2.5% CH. | tration remai                          |  |                                       |   | n me 1 otal O                   | тдапіс   |
| -                     |                                 |  | boratory analyse                                    |  |  |                                       |   | <del></del>                     |  |
| <del></del>           |                                 |  |   |  |  | · · · · · · · · · · · · · · · · · · · |   |                                 |  |

| EQUIPMENT USED: Landlec Gern 500 CHINCIAN: Ramon Id  | S/N<br>(Serial No. 7406)   | BAROMETRIC (before): 29.04 BAROMETRIC (after): 29.00 |
|--|--|--|
| DATE: 5/5/0 4  | DATE:  | DATE:  |
| START TIME: 09/5<br>FINISH TIME: 0955  | START TIME:FINISH TIME:  | START TIME:  |
| STATIC   TOC   PROBE ID   PRESSURE   TOC   PRESSURE   T | S-1A S-2B S-3S S-3M1 S-3M2 S-4 S-5 S-6S S-6M1 S-6M2 S-6D S-7 S-8 S-9S-R S-9M1-R S-9M2-R S-9D-R S-10R S-11R S-12                                  | E-1  |
| •  | Probe monitoring is conducted in accordance w<br>A, Section 1.3.1. Prior to sampling each probe<br>Compound concentration remains constant for 3 | is evacuated until the Total Organic                 |
| Comments: GEM-500 CALIBRA  |  |  |
|  |  |  |

| EQUIPMENT USED: Landtee Gern 500 CHNCIAN: Reyes to.   | (Serial No. 7406)   | BAROMETRIC (before): 29-09 BAROMETRIC (after): 28-99 |
|---|---|--|
| DATE: 5/6/04  | DATE:   | DATE:  |
| START TIME: FOT FINISH TIME: 8.75   | START TIME;FINISH TIME;   | START TIME:FINISH TIME:                              |
| PROBE 1:D: PRESSURE (IOC.)  W-1S (ID.) PRESSURE (ID.) | S.   I.   C.   I.   C.   I.   C.   C.   I.   C.   C   | E-1  |
| W-14S<br>W-14M  |   |  |
|   | Probe monitoring is conducted in accordance wi<br>A, Section 1.3.1. Prior to sampling each probe i<br>Compound concentration remains constant for 3 | is evacuated until the Total Organic                 |
|   |   | **************************************               |

|                      |  |  | <i>- ∕</i> .                           |                                       |   | •        |                           |  |  |
|----------------------|--|--|--|---------------------------------------|---|----------|---------------------------|--|--|
| FOUIPMEN             | TUSED: Lan                                       | idtec Gem <del>500</del><br>アパセリン Te             | (Serial No. 7406<br>3745               | )                                     |   |          | BAROMETR                  | IC (before): <u>2</u><br>IC (after):   | 9.06   |
| CHNC                 | IAN:_Ran   | yon & Res  | 185                                    |                                       |   |          | BAROMETR                  | IC (after):                            | 7.04   |
| $\bigcap_{\Gamma}$   | -/7/0  | 4  | 745<br>1 <b>65</b><br>Date:            | 5/2/2                                 | J   |          | ۲-                        | -/- / .                                | ,  |
| ( )E:                | 2/1/-  |  | DATE:                                  | 2/1/8                                 | 7   |          | DATE:S                    | 17/04                                  |  |
|                      |  | 5  | START TIME                             | Z: .                                  | _   |          | START TIME                | <b>;</b>                               | _  |
| FINISH TIM           | E: 0845  |  | FINISH TIME                            |                                       |   |          | FINISH TIME               |  |  |
|                      | SPAGGE   |  | THE DESCRIPTION OF                     |                                       | a dan a san a | न ह      | ion artu anni anni simi   | mesine research                        | na Sandrad Hadria San                            |
| PROBE I.D            |  |  | PROBERD                                | PRESSURE                              | 106   |          | PROBE IN                  | STATIC<br>PRESSURE                     | тос  |
|                      | (mW.C.)  | (AOH)  |  | (on V.C.)                             |   |          |                           | (di W.C.)                              | (с.ен.)  |
| W-1S                 |  |  | S-1A                                   | ,                                     |   |          | E-1                       | -10                                    | 0.0  |
| W-1M                 |  |  | S-2B                                   |                                       |   |          | E-2S                      |  |  |
| W-1D                 |  |  | S-3S                                   |                                       |   | ]        | E-2M                      |  |  |
| W-2A                 | 0  | 0.0  | S-3M1                                  |                                       | · ·   |          | E-2D                      |  |  |
| W2B                  | <del> </del>                                     |  | S-3M2                                  | <del> </del>                          | <u> </u>  | <b>.</b> | E-3                       | ļ                                      |  |
| W-3S                 | <del>                                     </del> |  | S-3D                                   |                                       |   | 1 1      | E-4                       |  | <b> </b>   |
| W-3M<br>W-3D         | 1<br>2   | 0.0  | S-4                                    |                                       |   | ∦ ∦      | E-5S                      |  | <b> </b>   |
| W-4                  |  | 0.0  | S-5                                    |                                       |   | 1 1      | E-5M                      |  | ļ <u> </u>                                       |
| W-5\$                | <del> </del>                                     |  | S-6S                                   |                                       | <del>                                     </del>  | ╢╟       | E-5D                      |  | <del> </del>                                     |
| W-5M                 | <del>                                     </del> |  | S-6M1<br>S-6M2                         |                                       | <del> </del>  | ┨ ┟      | E-6                       | · · · · · · · · · · · · · · · · · · ·  | <del>                                     </del> |
| W-5D                 | 5  | 0.0  | S-6D                                   | <u> </u>                              |   | ╢        | E-7<br>E-8S               |  | <del> </del>                                     |
| W-6                  |  | 1-17: <u>5</u>                                   | S-7                                    |                                       | <del> </del>  | ╢╶╟      | E-8M                      | -,2                                    |  |
| W-7S                 | <u> </u>   | 1  | S-8                                    | <del></del>                           |   | 1 T      | E-8D                      | 100                                    | 0.0  |
| W-7M                 |  | <del>                                     </del> | S-9S-R                                 | <del></del>                           | <del>                                     </del>  |          | E-9                       |  | <del>  </del>                                    |
| <b>√-7D</b>          | -,4  | 0.0  | S-9M1-R                                |                                       | <del> </del>  | -        | E-10                      | ·                                      | <del> </del>                                     |
| W-8                  |  |  | S-9M2-R                                |                                       | <del>                                     </del>  |          | E-11S-R                   |  | <del> </del>                                     |
| W-9A                 |  |  | S-9D-R                                 |                                       |   | -        | E-11M-R                   |  | <del>  </del>                                    |
| ) W-9B               |  |  | S-10R                                  |                                       |   |          | E-11D-R                   | -, 5                                   | 0.0  |
| W-10S                |  |  | S-11R                                  |                                       |   |          | E-12                      | -                                      |  |
| W-10M                | 2  | 0.0  | S-12                                   | -,2                                   | 0.0   |          | E-13                      |  |  |
| W-10D                | -,0/   | 0.0  |  |                                       |   |          | E-14S                     |  |  |
| W-11                 | <del></del>                                      |  |  |                                       |   |          | E-14M                     | -, 2                                   | 00   |
| W-12S                |  | <del> </del>                                     |  | · · · · · · · · · · · · · · · · · · · |   |          | E-14D                     | <u> </u>                               | 6.0  |
| W-12M<br>W-12D       |  | <del>  </del>                                    |  | <del></del>                           |   | -        |                           |  |  |
| W-12D                |  | <del>  </del>                                    | <u> </u>                               |                                       | ļ   |          |                           |  |  |
| W-13                 | -,5  | 1 2 2  |  |                                       |   | -        |                           |  | <b></b>  |
| W-14M                | -13  | 0.0  | <b> </b>                               |                                       | <del> </del>  | -        |                           |  |  |
| W-14D                |  |  |  | <del></del>                           | <b></b>   | -        |                           |  | <u> </u>   |
|                      |  | ·  | <u> </u>                               |                                       | <u> </u>  | ⊒ ا      |                           | ······································ | . السسسا   |
| Monitoring           | Protocol.  | T.   | Prohe monitoris = :                    | المعددات والمعدد وا                   | n1000-3   | tat. m   | (14 ( <del>)</del> (17 () |  | Maraha   |
|                      | _ 10,00011                                       |  | Probe monitoring i                     |                                       |   |          |                           |  |  |
|                      |  |  | A, Section 1.3.1. I<br>Compound concen | . 1101 to samp:                       | mig cacu pro  | ue is ev | imi dəlbuqu<br>ə          | п me 10tai О                           | rganic   |
|                      |  | ,  | ombound concen                         | a auoir 16111811                      | из сонзіяці ІС  | it du se | CORUS.                    |  |  |
|                      | -  | •  |  |                                       |   |          |                           |  |  |
| Comments:            | CRM 5  | በበ ሮልፑ ነውው ኔላ                                    | ED TO 2.5% CH,                         |                                       |   |          |                           |  |  |
|                      |  |  | oratory analyse                        |                                       |   |          |                           |  |  |
|                      | Subi   | mitted for fat                                   | oratory analyse                        | ;S,                                   | <del></del>   |          |                           | ·                                      |  |
|                      |  | <del></del>                                      |  |                                       |   |          |                           |  |  |
| ₹ ` <del>\ \ \</del> | <del></del>                                      |  |  |                                       |   |          |                           |  | <del></del>                                      |

| No.                     | IT USED: Land                                    |                                       | (Serial No.                                       | )                          |  | BAROMETRI<br>BAROMETRI    | (C (before): <b>2 </b> §<br>(C (after): <b>2</b> § | · 9 4<br>· 9 3                                   |
|-------------------------|--|---------------------------------------|---|----------------------------|--|---------------------------|--|--|
| DATE                    | 5-10-04  | C Help                                |   |                            |  |                           |  |  |
| <u>-</u>                |  | ···                                   | DATE;   |                            | •  | DAIE;                     | <del></del>  | •  |
| START TIM<br>FINISH TIM | E: 7.20<br>E: 7.50                               | mA<br>mA                              | FINISH TIM  | Œ:<br>Œ:                   |  | START TIME<br>FINISH TIME | :  |  |
| W-1S                    | SLADIC<br>PRESSURE<br>(m.W.C.)                   | 100                                   | S-1A  | SLITIC<br>PERKSTRE<br>OFWG | TOG  | PROBE LD                  | SIATIC<br>PRESSURE<br>(IIIW.C)                     | Tok<br>F(%GEL)                                   |
| W-1M<br>W-1D            | <del>-                                    </del> | <del> </del>                          | S-2B  | ļ                          |  | E-2S                      |  |  |
| W-1D<br>W-2A            | +.1  | MN                                    | S-3S  | <del></del>                |  | E-2M                      |  | <u> </u>   |
| W2B                     |  | <del> -~~</del>                       | S-3M1<br>S-3M2                                    |                            | <del>-  </del>                                   | E-2D<br>E-3               |  | <del>  </del>                                    |
| W-38                    | T  | <b></b>                               | S-3D  |                            | <del>                                     </del> | E-3                       |  | <del>                                     </del> |
| W-3M                    | 0  | ND                                    | S-4   | 1                          | <del> </del>                                     | E-5S                      |  |  |
| W-3D                    | 1  | ND                                    | S-5 .   | ,                          |  | E-5M                      |  |  |
| W-4                     |  |                                       | S-6S  |                            |  | E-5D                      |  |  |
| W-5S                    | ļ  |                                       | S-6M1   |                            |  | E-6                       |  |  |
| W-5M                    |  |                                       | S-6M2   |                            |  | E-7                       |  |  |
| W-5D                    | 0  | ND                                    | S-6D  | - <del> </del>             | <u> </u>   | E-8S                      |  |  |
| W-6<br>W-78             | <del> </del>                                     | <del> </del>                          | S-7   | ļ <u>.</u>                 |  | E-8M                      |  |  |
| W-78<br>W-7M            | -  |                                       | S-8   |                            | ļ  | E-8D                      |  | <del> </del>                                     |
| Y-7D                    | 0  |                                       | S-9S-R  | · <del> </del>             | -  | E-9                       |  | <u> </u>   |
| W-8                     |  | מא                                    | S-9M1-R<br>S-9M2-R                                | <del>- </del>              |  | E-10                      |  |  |
| W-9A                    |  |                                       | S-91/12-R   | <del> </del>               | <del>                                     </del> | E-11S-R<br>E-11M-R        |  |  |
| W-9B                    |  |                                       | S-10R   | <del> </del>               | <del></del>                                      | E-11D-R                   |  |  |
| W-10\$                  |  | <u> </u>                              | S-11R   | <del></del>                | <del>                                     </del> | E-12                      |  |  |
| W-10M                   | 3  | ND                                    | S-12  | ·                          |  | E-13                      |  |  |
| W-10D                   | 4  | ND                                    |   | <del> </del>               | <del>  </del>                                    | E-14S                     | ···  | <del></del>                                      |
| W-11                    |  |                                       |   |                            |  | E-14M                     |  |  |
| W-12S                   |  |                                       | <u> </u>  |                            |  | E-14D                     |  |  |
| W-12M                   |  |                                       |   |                            |  |                           |  |  |
| W-12D                   | <del> </del>                                     | <u> </u>                              |   | ļ <u> </u>                 |  |                           |  |  |
| W-13                    |  |                                       | <b> </b>  | ļ                          |  |                           |  |  |
| W-14S<br>W-14M          |  | <u> </u>                              |   |                            |  |                           |  |  |
| W-14M<br>W-14D          |  |                                       | <b> </b>  |                            | <del>  </del>                                    | <b> </b>                  |  |  |
| Monitoring              | ; Protocol:                                      |                                       | Probe monitoring A, Section 1.3.1. Compound conce | Prior to samp              | ling each probe                                  | is evacuated unti         |  |  |
| Comments;               | GEM-56   | po <sup>dd</sup><br>O CALIBRA         | TED TO 2.5% CE<br>boratory analys                 | I <sub>4</sub>             |  |                           | · · · · · · · · · · · · · · · · · · ·              |  |
|                         | <del></del>                                      | · · · · · · · · · · · · · · · · · · · |   |                            |  |                           |  |  |
|                         |  |                                       |   |                            |  |                           |  |  |

| <u> </u>     | EQUIPMEN      | T USED: Land                                       | tec Gem 500     | (Serial N  | 0.           | )  |  | ВА        | ROMET              | RIC (before):  | 28-85                                 |             |
|--------------|---------------|--|-----------------|------------|--------------|--|--|-----------|--------------------|----------------|---------------------------------------|-------------|
| )            | TECHNO        | IAN: Reye  | s trejo         |            |              |  |  | BA        | ROMET              | RIC (after):   | 8-85                                  | <del></del> |
|              | DATE:         | 5/10/04  |                 | . D        | ATE:         |  |  | DA        | TE:                |                |                                       |             |
|              | START TIM     | E: 2:45  |                 | 22         | ΓΔ ΡΤ ΤΙλ    | Æ:   |  | OT        | A YOU'S COURS O    | m.             |                                       |             |
|              | FINISH TIM    | E: 2', 45<br>E: 3(05                               |                 | . FI       | NISH TIN     | Æ:   |  | 517       | ari Tim<br>NSH Tim | E:             |                                       | —           |
|              |               |  |                 |            |              |  |  | ***       | 1011 1110          | ···            |                                       |             |
|              |               | STATE  | TOC             |            |              | NATE OF  |  |           |                    | STATIC         |                                       | <b>1</b>    |
|              | PROBE LD      | a Charles Sant Street Sweet Vall                   | Service Control |            | ROBE II      | D PRESSURE                                       |  | PR        | OBK LI             | PRESSUR        |                                       | 364.932     |
|              |               | (m.W.C)  |                 |            |              | (erw.c)  |  |           |                    | (firW.C)       | (%CB.                                 |             |
|              | W-1S          |  |                 | <b>』</b>   | S-1A         |  |  |           | E-1                |                |                                       | Sec. 77.    |
| J            | W-1M          |  | ļ               | ╢╟         | S-2B         |  |  |           | E-2S               |                |                                       |             |
|              | W-1D<br>W-2A  | 100  | 144             | ╢ ╟        | S-3S         |  |  |           | E-2M               |                |                                       |             |
|              | <del></del>   | +001-7   | ND              | ╢╟         | S-3M1        | <u> </u>   |  | <u> </u>  | E-2D               |                |                                       |             |
|              | W2B<br>W-3S   | <del> </del>                                       | <del> </del>    | ╢╟┈        | S-3M2        | <del>                                     </del> | <b> </b>   | <u> </u>  | E-3                |                |                                       |             |
| I            | W-3M          |  | Δ               | ╢. ╟       | S-3D         |  |  |           | E-4                | -l             |                                       |             |
| ∦            | W-3D          | -0.0   | 6.0             | ╢╟         | S-4          | +  | <del>                                     </del>         | <b> </b>  | E-58               |                |                                       | _           |
| ∦            | W-4           | <del>  - 0-0                                </del> | W.V             | ╢╟         | S-5<br>S-6\$ | <del>                                     </del> | <del> </del>   |           | E-5M               |                |                                       |             |
| -            | W-5S          |  |                 | ╢╟┈        | S-6M1        |  | <del>  </del>  |           | E-5D               |                |                                       | _           |
| I            | W-5M          | <u> </u>   |                 | <b>∥</b>   | S-6M2        |  | <del> </del>   | `         | E-6                |                | <del> </del>                          |             |
|              | W-5D          | -0-0   | ND              |            | S-6D         | <del>                                     </del> | <del>                                     </del>         |           | E-8S               |                | _                                     | -#          |
| ľ            | W-6           |  | 77.7.           |            | S-7          |  | <del> </del>   |           | E-8M               |                |                                       |             |
|              | W-7S          |  |                 |            | S-8          |  | <del>                                     </del>         |           | E-8D               |                |                                       | $\dashv$    |
|              | W-7M          |  |                 |            | S-9S-R       |  | <del>  </del>  |           | E-9                |                |                                       | -           |
| $ lap{1}{4}$ | W-7D          | +0-1   | 20              |            | -9M1-R       |  |  | -         | E-10               |                | <del></del>                           | -           |
| 4            | W-8           |  |                 | S          | -9M2-R       |  |  | - II—     | -11S-R             | <u> </u>       |                                       | -           |
| -            | W-9A          |  |                 |            | S-9D-R       |  |  | E         | 11M-R              |                |                                       | 1           |
| -            | W-9B          |  |                 |            | S-10R        |  |  | E         | 11D-R              |                |                                       | -           |
| ╟            | W-10S         |  |                 | _          | S-11R        |  |  |           | E-12               |                | <u> </u>                              | 1           |
| ╟            | W-10M         | +0.3   | DN              |            | S-12         |  |  |           | E-13               |                |                                       | 1           |
| ╟            | W-10D         | -0.0   | תט              | <b>│</b>   |              |  |  | I         | ≟-14S              |                |                                       | 7           |
| -            | W-11<br>W-12S |  |                 | <b>├</b>   |              |  | ļI   | E         | -14M               |                |                                       |             |
| $\parallel$  | W-12M         |  |                 |            |              |  |  | E         | ~14D               |                |                                       |             |
| 1            | W-12D         |  |                 | <b>│</b>   |              |  | <b></b>  | <b>  </b> |                    |                |                                       |             |
|              | W-13          | <del></del>  |                 |            | <del></del>  | <u></u>  | <u> </u>   | ļ         |                    |                |                                       | _           |
|              | W-14S         |  | <del></del>     | <b> </b> - |              | <del></del>                                      | <del>  </del>  | <b> </b>  |                    |                |                                       | 4           |
|              | W-14M         |  |                 | <b>├</b> ─ | ·            |  | <del>                                     </del>         |           |                    |                | <b> </b>                              | 4           |
|              | W-14D         |  |                 | <b>├</b>   |              |  |  | -         |                    |                | -                                     | -           |
| M            | lonitoring    | Protocol:  | 4               | A, Section | 1 1.3.1.     | Prior to sampl                                   | r accordance wi<br>ing each probe is<br>s constant for 3 | is evacu  | ated unt           | tule 1150.1, A | Attachment<br>Organic                 |             |
| Co           | omments:      | GEM-500  | CALIBRAT        | TED TO 2   | .5% CH       | 4  |  |           |                    |                |                                       |             |
| _            |               | * Subm   | itted for lal   | boratory   | analyse      | es.  |  |           |                    |                |                                       | -           |
|              |               |  |                 |            |              |  |  |           |                    |                | · · · · · · · · · · · · · · · · · · · | -           |
| <del>-</del> |               |  |                 |            | ·            |  |  |           |                    |                |                                       | -           |
| ì            |               |  |                 |            |              |  |  |           |                    |                |                                       |             |

| EQUIPMEN<br>TECHNO      | TUSED: Landte<br>IAN: <u>La m</u>                | c Gem 500    | 5/~<br>(Serial No. 7406)   | BAROMETRIC (before): 28.9/<br>BAROMETRIC (after): 28.95  |
|-------------------------|--|--------------|--|--|
| DATE:                   | 5/12/04  |              | DATE:  | DATE:  |
| START TIM<br>FINISH TIM | E: <u>/300</u><br>E: <u>/350</u>                 |              | START TIME: FINISH TIME:   | START TIME: FINISH TIME:   |
| PROBE I.D               | the Contribution of the All Second Contribution  | Toc<br>(%CH) | PROBE ED: PRESSURE CO  | PROBLED PRISSURE   |
|                         | (m.W.C)  |              |  | (b) W.C.)  |
| W-1S                    | <u> </u>   |              | S-1A   | E-1  |
| W-1M                    |  |              | S-2B   | E-2S   |
| W-1D                    | 0 2/ =:/   |              | S-3S   | E-2M   |
| W-2A<br>W2B             | -026.54  | 0.0          | S-3M1  | E-2D   |
| W-3S                    | <del> </del>                                     |              | S-3M2  | E-3  |
| W-38<br>W-3M            |  |              | S-3D   | E-4  |
| W-3D                    | -0.89  | 0.0          | S-4<br>S-5   | E-5S   |
| W-3D                    | 1-0.01   | 0.0          | S-5<br>S-6S  | E-5M   |
| W-5S                    | <del>                                     </del> |              | S-6M1  | E-5D E-6   |
| W-5M                    | <del> </del>                                     |              | S-6M2  | E-6  |
| W-5D                    | -033.87  | 0.0          | S-6D   | E-8S   |
| W-6                     |  | <u> </u>     | S-7  | E-8M   |
| W-7S                    | <del> </del>                                     |              | S-8  | E-8D   |
| W-7M                    | 1  |              | S-9S-R   | E-9  |
| W-7D                    | -39.12   | 0.0          | S-9M1-R  | E-10   |
| W-8                     |  |              | S-9M2-R  | E-11S-R  |
| W-9A                    |  |              | S-9D-R   | E-11M-R  |
| W-9B                    |  |              | S-10R  | E-11D-R  |
| W-10S                   |  |              | S-11R  | E-12   |
| W-10M                   | - 011.16   | 0.0          | S-12   | E-13   |
| W-10D                   | -03.90   | 0.0          |  | E-14S  |
| W-11                    |  |              |  | E-14M  |
| W-12S                   | <b></b>  |              |  | E-14D  |
| W-12M                   | <b> </b>   |              |  |  |
| W-12D                   | <del>                                     </del> |              |  |  |
| W-13                    | <u> </u>   |              |  |  |
| W-148                   | <del> </del>                                     |              |  |  |
| W-14M<br>W-14D          | <del> </del>                                     |              |  |  |
| 11-140                  | 1  |              |  |  |
| Monitoring              | Protocol:  | A            | robe monitoring is conducted in accordance.  A. Section 1.3.1. Prior to sampling each compound concentration remains const | dance with SCAQMD Rule 1150.1, Attachment h probe is evacuated until the Total Organic ant for 30 seconds. |
|                         | ن دوح  | RO.          |  |  |
| Comments:               |  |              | ED TO 2.5% CH <sub>4</sub>   |  |
|                         |  |              | poratory analyses.   |  |

| QUIPMENTU                   | ISED: Landte                    | ∞ Gem 500 (    | Serial No.                                     | )                                     |                | BAROMET                 | RIC (before): | 28.91                                 |
|-----------------------------|---------------------------------|----------------|--|---------------------------------------|----------------|-------------------------|---------------|---------------------------------------|
| CHNCIAI                     | V: Ran                          | on The         | zrc  |                                       |                | BAROMETI                | RIC (after):  | 28.97                                 |
| ATE:5                       | 5/13/64                         | <u>/</u>       | Serial No.  DATE:  START TIME                  |                                       |                | DATE:                   |               |                                       |
| TART TIME:_<br>INISH TIME:_ | 1360                            | /300           | START TIME<br>FINISH TIME                      |                                       |                | START TIM<br>FINISH TIM |               |                                       |
|                             | STAPIC                          | TOC            |  | SYMUG                                 |                |                         | STATIO        | 1 76c                                 |
| ROBE I.D.                   | PRESSUREA<br>(in W.C.)          | (ZCB)          | PROBLET  | PRESSURE                              | COCE           | PROBLEM                 | PRESSIO       |                                       |
| W-1S                        |                                 |                |  |                                       |                |                         | on w.c        |                                       |
| W-1M                        |                                 |                | S-1A   | · · · · · · · · · · · · · · · · · · · |                | E-1                     | <del> </del>  |                                       |
| W-1D                        |                                 |                | S-2B<br>S-3S                                   |                                       | <del>- </del>  | E-2S                    |               |                                       |
|                             | -57.58                          | 0.0            | S-3M1  |                                       | <del> </del>   | E-2M<br>E-2D            | <del> </del>  |                                       |
| W2B                         | <u> </u>                        | - <u>v·-</u>   | S-3M1  |                                       | <del> </del>   | E-2D                    | 1             |                                       |
| W-3S                        |                                 |                | S-3D   |                                       | <del> </del>   | E-4                     | <del> </del>  | <del> </del>                          |
|                             | -031.80                         | 000            | S-4  | ·                                     | <del> </del>   | E-5S                    | 1             |                                       |
|                             | 103.19                          | 0.0            | S-5  |                                       | <del> </del>   | E-5M                    | <del></del>   | <del>-</del>                          |
| W-4                         |                                 |                | S-6\$  |                                       | <del> </del>   | E-5D                    |               |                                       |
| W-58                        |                                 |                | S-6M1  | <del></del>                           |                | E-6                     | <b>†</b>      |                                       |
| W-5M                        |                                 |                | S-6M2  |                                       |                | E-7                     |               |                                       |
| W-5D                        | 104.08                          | 00             | \$-6D  |                                       |                | E-8S                    |               |                                       |
| W-6                         |                                 |                | S-7  |                                       |                | E-8M                    |               |                                       |
| W-78                        |                                 |                | S-8  |                                       |                | E-8D                    |               |                                       |
| W-7M                        |                                 |                | S-9S-R   |                                       |                | E-9                     |               |                                       |
|                             | 152,57                          | 0.0            | S-9M1-R  |                                       |                | E-10                    |               |                                       |
| N-8                         |                                 |                | S-9M2-R  |                                       |                | E-11S-R                 |               |                                       |
| W-9A                        |                                 |                | S-9D-R   |                                       |                | E-11M-R                 |               |                                       |
| W-9B                        |                                 |                | S-10R  |                                       |                | E-11D-R                 |               |                                       |
| W-10S                       | 2.0                             |                | S-11R  |                                       | <b> </b>       | E-12                    | <u>   </u>    |                                       |
| W-10M                       | 010.18                          |                | S-12   |                                       | ļ              | E-13                    |               |                                       |
|                             | 202.75                          | 0.0            |  |                                       |                | E-14S                   |               |                                       |
| W-11<br>W-12S               |                                 |                |  |                                       | <b> </b>       | E-14M                   | <del> </del>  |                                       |
| W-125<br>W-12M              |                                 |                | <b> </b>                                       |                                       | <b></b>        | E-14D                   |               |                                       |
| W-12IV                      |                                 |                | <del>  </del>                                  | <del></del>                           | <del> </del>   | <b></b>                 |               | <del>-  </del>                        |
| W-13                        |                                 |                | <u> </u>                                       |                                       | <b>  </b>      | <b> </b>                | <del> </del>  |                                       |
| W-14S                       |                                 |                |  |                                       |                | <b> </b>                | <u> </u>      |                                       |
| V-14M                       |                                 |                | <del>                                   </del> | <del></del>                           | <del>  </del>  | <b> </b>                |               |                                       |
| W-14D                       |                                 |                |  |                                       |                | <u> </u>                | <del> </del>  |                                       |
| onitoring P                 | rotocol:                        | A,             | robe monitoring in Section 1.3.1. I            | Prior to samp                         | ing each probe | e is evacuated ur       |               | •                                     |
| mments:                     | <i>20</i> ≎<br>GEM- <b>5</b> 00 | o<br>CALIBRATI | ED TO 2.5% CH                                  |                                       |                |                         |               |                                       |
|                             |                                 |                | oratory analyse                                |                                       |                |                         |               | · · · · · · · · · · · · · · · · · · · |
|                             |                                 |                |  | <del></del>                           |                |                         | <del></del>   |                                       |

| CHNC           | TUSED: Lan                                       | dlec Gem 580                                     | (Serial No. 790)  Save  DATE:                           | <b>(6</b> )                |  | BAROMETI<br>BAROMETI    | LIC (before): <u>2</u><br>LIC (after): <u>2</u> | 8.98<br>9.00                                     |
|----------------|--|--|---|----------------------------|--|-------------------------|---|--|
| DATE:          | 5/14/  | 04   | DATE:   | · .                        |  | DATE:                   |   | ,  |
|                | Æ:   |  | START TIN   | AE:<br>AE:                 |  | START TIM<br>FINISH TIM | E:<br>E:  |  |
| robe 11        | STATIC<br>PRESSURE<br>(BWC)                      |  | PROBE-1   | SEATH<br>PERSONN<br>ON YES | noe<br>Gioto                                     | PROBE IN                | ST (FIC<br>PROSSURE<br>(FIVE)                   | TOC<br>F(%CH)                                    |
| W-18           | ļ  |  | S-1A  |                            |  | E-1                     | -0.0  | 0.1  |
| W-1M<br>W-1D   | <del></del>                                      | <del>                                     </del> | S-2B  |                            |  | E-2S                    | ļ   | <del>                                     </del> |
| W-2A           | -0.0   | 0.0  | S-3S<br>S-3M1   |                            |  | E-2M                    | <u> </u>  | -  |
| W2B            | 1 0.0  | 100  | S-3M2   |                            |  | E-2D<br>E-3             | <u> </u>  |  |
| W-3S           |  | 1  | S-3D  |                            | <del>  </del>                                    | E-4                     |   | <del> </del>                                     |
| W-3M           | -0.1   | 0.0  | S-4   | <u> </u>                   | <del>                                     </del> | E-5S                    |   | <del>                                     </del> |
| W-3D           | -0,2   | 0,1  | S-5   |                            |  | E-5M                    |   |  |
| W-4            |  |  | S-6S  |                            |  | E-5D                    |   | <del> </del>                                     |
| W-5S           |  |  | S-6M1   |                            |  | E-6                     |   |  |
| W-5M           | ·  | <del> </del>                                     | S-6M2   |                            |  | E-7                     |   |  |
| W-5D           |  | <del> </del>                                     | S-6D  |                            |  | E-8S                    |   |  |
| W-6            | <del> </del>                                     | <u>-   </u>                                      | S-7   |                            | <u> </u>   | E-8M                    | -0.1  | 0.2  |
| W-7S<br>W-7M   |  |  | S-8   |                            | -  | E-8D                    | ļ <u></u>                                       | - <del> </del>                                   |
| ₹-7D           | -011   | 0,0  | S-9S-R  | <del> </del>               | <u> </u>   | E-9                     | -   | 1  |
| -W-8           | $-\upsilon$                                      | 0,0  | S-9M1-R   |                            |  | E-10                    |   | <del> </del>                                     |
| W-9A           |  | <del> </del>                                     | S-9M2-R<br>S-9D-R                                       |                            | -  | E-11S-R<br>E-11M-R      |   |  |
| W-9B           | ·  |  | S-10R   |                            | <del> </del>                                     | E-11D-R                 | - 6.2   | 0,0  |
| W-10\$         | <del>                                     </del> | 1  | S-11R   | -                          | <del> </del>                                     | E-12                    | - 0.2   |  |
| V-10M          | -0.1   | 0,0  | S-12  | 0.0                        | 0.0  | E-13                    |   |  |
| W-10D          | -0,0   | 0,0  |   | 1                          | 1  | E-14S                   |   | 1  |
| W-11           |  |  |   |                            | 1  | E-14M                   | -0.1  | 0,0  |
| W-12S          |  |  |   |                            |  | E-14D                   | -0.3  | 0.6  |
| V-12M          |  |  |   |                            |  |                         |   |  |
| V-12D          |  |  |   |                            |  |                         |   |  |
| W-13           |  |  |   |                            |  |                         |   |  |
| V-14S          | -0.1   | 0,0  |   | ļ <u>.</u>                 |  |                         |   |  |
| V-14M<br>V-14D |  |  |   | <u> </u>                   | <b> </b>   | <u> </u>                |   |  |
| 1-140          | <u> </u>   | <u> </u>   | <u> </u>  | <u> </u>                   | <u> </u>   | <u> </u>                |   |  |
| nitoring       | g Protocol:                                      |  | Probe monitoring<br>A, Section 1.3.1.<br>Compound conce | Prior to samp              | ling each prob                                   | e is evacuated un       |   |  |
| mments;        | GEM-50   | ≠<br>≠<br>0 CALIBRA                              | TED TO 2.5% C   | <b>H</b> .                 |  |                         |   |  |
|                |  |  | boratory analys   |                            | ····   |                         |   |  |
|                |  |  |   | <del></del>                |  |                         |   |  |
|                |  |  |   |                            | ···  |                         |   |  |
|                |  |  |   |                            |  | •                       |   |  |

| DATE:              | 5/14/0   | y '  | DATE:                                | · · · · · · · · · · · · · · · · · · ·            |  | DATE:            |                                 |                       |
|--------------------|--|--|--------------------------------------|--|--|------------------|---------------------------------|-----------------------|
|                    |  |  |                                      |  | •  |                  |                                 |                       |
| FINISH TIM         | VIE: 1400  |  | START TIN                            | Æ:<br>Æ:   | <u>.</u>   |                  | rime:                           | <del></del>           |
|                    | <del></del>  |  | 1111511 1110                         |  |  | FINISH           | rime:                           |                       |
|                    | STATIC   | тос  |                                      | STATIC   |  |                  | STATIC                          | en) en en en          |
| PROBE L            | Committee of the Commit | C/CH5  | PROBE 1                              | De PRESSURE                                      | TOC<br>(%CH.)                                    | PROBE            |                                 |                       |
|                    | (to W.C.)  |  |                                      | (in W.C.)  |  |                  | (in W.C.)                       | (%Сн.                 |
| W-1S               | <del></del>  | <del>                                     </del> | S-1A                                 | NA   | NA   | E-1              |                                 |                       |
| W-1M<br>W-1D       | <del>-  </del>   | <del> </del>                                     | S-2B                                 | MIA  | N/A.   | E-2S             | 3                               |                       |
| W-1 <i>D</i>       | <del>                                     </del>   | <del> </del>                                     | S-3S                                 | <del>- </del>                                    | -  | E-2M             | <del></del>                     |                       |
| W2B                | -0-1   | mo   | S-3M1                                | <u> </u>   | <del></del>                                      | E-2D             | )                               |                       |
| W-3S               | <del></del>  | <del> </del>                                     | S-3M2                                |  | <del> </del>                                     | E-3              |                                 |                       |
| W-3M               | -0.1   | 1  | \$-3D<br>\$-4                        |  |  | E-4              |                                 |                       |
| - W-3D             | -0.1   | ND   | S-5                                  | <del>                                     </del> | <del> </del>                                     | E-5S             | <del></del>                     | <del> </del>          |
| W-4                | <del>                                     </del>   | 1-82   | S-6S                                 |  |  | E-5M             |                                 |                       |
| W-5S               | 1  |  | S-6M1                                | <del> </del>                                     |  | E-5D             |                                 |                       |
| W-5M               |  | <del>                                     </del> | S-6M2                                | <del>-</del>                                     |  | E-6              | <del> </del>                    |                       |
| W-5D               | -0.7   | ND   | S-6D                                 | <del> </del>                                     |  | E-7              | <del></del>                     | <del></del>           |
| W-6                |  |  | S-7                                  | <del> </del>                                     | <del>                                     </del> | E-8S<br>E-8M     |                                 | <del> </del>          |
| W-7S               |  |  | S-8                                  | <del>                                     </del> |  | E-8IVI           |                                 | <del> </del>          |
| W-7M               |  |  | S-9S-R                               | <del>                                     </del> |  | E-8D             | <del>-  </del>                  | <del> </del>          |
| W-7D               | -0.3   | an   | S-9M1-R                              |  | <del>                                     </del> | E-10             | <del>-</del>                    | <del> </del>          |
| W-8                |  |  | S-9M2-R                              |  |  | E-11S-1          | R                               | <del> </del>          |
| W-9A               |  |  | S-9D-R                               |  |  | E-11M-           |                                 | +                     |
| W-9B               |  |  | S-10R                                |  |  | E-11D-1          |                                 | <del> </del>          |
| W-10S              |  |  | S-11R                                |  |  | E-12             |                                 | 1                     |
| W-10M              | -0.4   | ND   | S-12                                 |  |  | E-13             |                                 |                       |
| W-10D              | -0-1   | 64   |                                      |  |  | E-14S            |                                 |                       |
| W-11               |  |  |                                      |  |  | E-14M            |                                 |                       |
| W-12S              | ļ  |  |                                      |  |  | E-14D            |                                 |                       |
| W-12M "            | <u> </u>   |  | ļ                                    |  |  |                  |                                 |                       |
| W-12D<br>W-13      |  |  |                                      |  |  |                  |                                 |                       |
| W-13<br>W-148      | <del>-</del>   | <del></del>                                      |                                      |  |  |                  |                                 |                       |
| W-148<br>W-14M     | <del></del>  |  |                                      |  |  |                  |                                 |                       |
|                    |  |  | 1                                    |  |  |                  |                                 |                       |
| W-14D<br>Onitoring | Protocol:  | Α,   | bbe monitoring i<br>Section 1.3.1. I | Prior to sampli                                  | ng each prob                                     | e is evacuated a | Rule 1150.1, Auntil the Total C | Attachment<br>organic |
| mments:            | GEM-500  | CALIBRATE  | D TO 2.5% CH,                        | 4  |  | . To ovoids.     |                                 |                       |

| DATE: 5/8/04 DATE: DATE: DATE: START TIME: FINISH TIME: F | EQUIPMEN                                | VI USED: Land                                     | tec Gen 500<br>101 IB                               | (Serial No        | 7406          | )  |  |                 | BAROMETR<br>BAROMETR            | IC (before):<br>IC (after):  | 9.16<br>9.11                                     | -<br>-                                 |
|--|---|---|---|-------------------|---------------|--|--|-----------------|---------------------------------|--|--|--|
| START TIME:  | DATE:                                   | 5/18/0  | 94  |                   |               |  |  |                 | DATE:                           |  |  | _                                      |
| FRISH TIME:  FROBE TID SATURE  GELD  W.18  S-10  S-12  S-14  S-10  |   |   | <b>-</b>  |                   |               |  |  |                 |                                 |  |  |  |
| FROSE TID. PRISS TIME: FINISH TIME: FROSE TID. PRISS TIME: FOR TID. PRIS | START TIM                               | E: 095  | 0   |                   |               |  |  |                 | START TIME                      | E:   |  | _                                      |
| ### Protects   | FINISH TIM                              | 1E://00   |   | . FN              | MIT HSIV      | E:   |  |                 | FINISH TIME                     | 3:   |  | -                                      |
| ### Protects   |   |   | s la seconda de                                     | 1 500             | inadesivanida |  | a landerario de conse                            | 705             | Smiles in Manual Control of the | 6 Bartis Bartis Carries and Ca | n Daniela de Galeria                             | នា                                     |
| W-1S   W-1M   S-2B   S-1A   S-2B      | PROBE 1.1                               | PRESSURE  |   | l lei             |               | PRESSURE   | roc<br>Footi                                     |                 | PROBE LD                        | PRESSURE   |  | 11 11 11 11 11 11 11 11 11 11 11 11 11 |
| W-1M   | W-1S                                    | and the same same same same                       |   |                   |               |  |  | <del>2008</del> |                                 | ne-sage establishmen and an expense  | 20   | 4                                      |
| W-1D   | W-1M                                    | <del></del>                                       | <del> </del>  | 1  -              |               | <del> </del>                                     |  | 네 1             | $\vdash$                        | 700  | 100  | 1                                      |
| W-2A   |   | <del>-  </del>                                    | <del> </del>  | ┪                 |               | <del> </del>                                     |  | <b> </b>        |                                 |  | <del>                                     </del> | 1                                      |
| W2B  | W-2A                                    | -0.1  | 00  | 1  -              |               | <del>                                     </del> | <del> </del>                                     |                 |                                 | <del>                                     </del>   | <del> </del>                                     |  |
| W-3S   | W2B                                     | - <del>                                    </del> | 10.0  | ╢                 |               |  |  | -               |                                 | <del> </del>   | <del> </del>                                     | ╢.                                     |
| W-3M   | W-3S                                    |   |   | ╢                 |               |  |  | _               |                                 | -  | 1  | 1                                      |
| W-3D   |   | -,03  | 0.0   | 1 -               | <del></del>   | <del> </del>                                     | <del> </del>                                     | <b>-</b> ∥      |                                 | <u> </u>   | <del> </del>                                     | 1                                      |
| W-4   W-5S   S-6S   S-6M1   S-6S   E-5D   E-6   E-7   S-6M2    |   |   | · <del>† · · · · · · · · · · · · · · · · · · </del> | 1 1               | <del></del>   | <del>                                     </del> | <del> </del>                                     | <b>-∥</b>       |                                 | f <del></del>  | <del>                                     </del> | Ľ                                      |
| W-SS   W-SM   D-O   S-6M1   S-6M2   E-7   E-8S   E-7   E-8S   E-8D   E-8D   E-8D   E-8D   E-10   E-115-R   | W-4                                     |   |   | 1 ⊩               | <del></del>   | <u> </u>   | <del> </del>                                     | -∥ ∥            |                                 | <del> </del>   | <del> </del>                                     | L                                      |
| W-SM   | W-5S                                    |   |   | ┨                 |               | <del>                                     </del> | <del> </del>                                     |                 |                                 |  | <del> </del>                                     |  |
| W-5D   | W-5M                                    |   | 010   | 1                 | <del></del>   |  | <del> </del>                                     | ─               |                                 |  |  |  |
| S-7   S-8   E-8D   E-9   | W-5D                                    | -0.5  |   | 1  -              | S-6D          |  | <del> </del>                                     | -1              | <del></del>                     |  |  |  |
| W-7M   | W-6                                     |   |   | 1 1               | S-7           | <del>                                     </del> | <b></b>  |                 |                                 | -0.2   | 00   |  |
| S-95-R   S-9M1-R   S-9M1-R   S-9M2-R   S-9M2   | W-7S                                    |   |   |                   |               |  | <del>                                     </del> | -1 1            |                                 | -0.2   | -  | -                                      |
| S-9M1-R   S-9M2-R   S-9M   | ~ . W-7M                                |   |   | 1                 |               |  |  | -               |                                 |  | <del> </del>                                     | 1                                      |
| S-9M2-R   S-9D-R   S-11S-R   E-11M-R   S-10R   S-11R   S-11R   S-12   F-0   O   O   S-11R   S-12   F-0   O   O   S-14S   S-1   | -7D                                     | -06   | 0.0   | 1/ //             |               |  |  |                 | <del></del>                     |  |  | 1                                      |
| W-9A   W-9B   S-9D-R   E-11M-R   E-11D-R   O/. 3   O O   | -W-8                                    |   |   | ∦ ∦ <del></del> - |               |  | <u> </u>   | <b>-∦ ∦</b>     |                                 |  | <del>                                     </del> | 1                                      |
| W-9B W-10S W-10M W-10D W-10D W-12S W-12M W-12D W-13 W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   | W-9A                                    |   |   | 11 11             |               | <u> </u>   |  |                 |                                 |  |  | 1                                      |
| W-10M - 0, 7 0,00 W-10D - 0, 2 0,00 W-11 W-12S W-12M W-12D W-13 W-14M W-14D  Monitoring Protocol:  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   | W-9B                                    |   |   |                   | S-10R         |  |  | -∥ .∦           |                                 | - 01.3   | 00   | 1                                      |
| W-10D -0.2 0.0 W-11  | W-10S                                   |   |   |                   | S-11R         | l  | İ  | <b>⊣</b> (      | <del></del>                     |  |  |  |
| W-10D  | W-10M                                   | -0,7  | 0,0   |                   | S-12          | 100  | 0.0  | <b>⊣</b>        |                                 |  |  | 1                                      |
| W-12S W-12M W-12D W-13 W-14S W-14S W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  | W-10D                                   |   | 0.0   |                   |               |  |  | <b>-1</b>       | <del></del>                     |  |  |  |
| W-12M W-12D W-13 W-14S W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  | W-11                                    |   |   |                   |               |  |  | <b>-</b>        | E-14M                           | -0,2   | 4.0  |  |
| W-12M W-12D W-13 W-14S W-14S W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  | W-12S                                   |   |   |                   |               |  |  |                 | E-14D                           |  | 000  |  |
| W-12D W-13 W-14S W-14S W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  | W-12M                                   |   |   |                   |               |  |  |                 | . 9                             | -07  |  |  |
| W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   | W-12D                                   |   |   |                   |               |  |  | ╗               | . (                             | /  |  | ll                                     |
| W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   |   |   |   |                   |               |  |  | -     -         |                                 |  |  |  |
| W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   |   | -0.4  | 00  |                   |               |  |  | <u>-</u>      - |                                 |  |  | l                                      |
| Aonitoring Protocol:  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  |   |   |   |                   |               |  |  | <u> </u>        |                                 |  |  | 1                                      |
| A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  2000 comments: GEM-590 CALIBRATED TO 2.5% CH4   | W-14D                                   | <u></u> _   |   |                   |               |  |  |                 |                                 |  |  | ĺ                                      |
| omments: GEM-500 CALIBRATED TO 2.5% CH4  | Monitoring                              | g Protocol:                                       |   | A, Section        | n 1.3.1.      | Prior to sampl                                   | ing each p                                       | robe is ev      | acuated unt                     |  |  |  |
| omments: GEM-500 CALIBRATED TO 2.5% CH4  |   | •   |   |                   |               |  |  |                 |                                 |  |  |  |
|  | Commonte                                | 20  | 000   | mmn ma -          |               |  |  |                 |                                 |  |  |  |
| Supmitted for laboratory analyses.   | Comments:                               |   |   |                   |               |  |  |                 |                                 |  |  |  |
|  | ·                                       | Subr  | niπed for is  | aporatory         | analyse       | es.  |  |                 |                                 |  |  |  |
|  | · · · · · · · · · · · · · · · · · · ·   |   |   |                   | <del></del>   |  | ·  |                 |                                 | ·····  |  |  |
|  | < \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |   |   | ···               |               |  |  |                 |                                 |  |  |  |

| EQUIPMENT USED: Landtee Gem 500                 | (Serial No. )  | BAROMETRIC (before): 2P.99            |
|---|--|---------------------------------------|
| TECHNCIAN: Ramon I                              | Barre-   | BAROMETRIC (after): 28.50             |
| DATE: 5/19/04                                   | DATE:  | DATE:                                 |
| START TIME: 400<br>FINISH TIME: 430             | START TIME:FINISH TIME:  | START TIME:FINISH TIME:               |
| STAUTC  | S-1A   | E-1 E-2S E-2M E-2D                    |
| W2B<br>W-3S<br>W-3M -0,2 0.0<br>W-3D -0,1 0.1   | S-3M2<br>S-3D<br>S-4<br>S-5<br>S-6S  | E-3<br>E-4<br>E-5S<br>E-5M            |
| W-58<br>W-5M<br>W-5D -0, 4 0, 2<br>W-6          | S-6M1<br>S-6M2<br>S-6D<br>S-7  | E-5D E-6 E-7 E-8S E-8M                |
| W-7S<br>W-7M<br>W-7D + 6.0 0.0<br>W-8<br>W-9A   | S-8<br>S-9S-R<br>S-9M1-R<br>S-9M2-R<br>S-9D-R  | E-8D<br>E-9<br>E-10<br>E-11S-R        |
| W-9B W-10S W-10M +0,0 0,0 W-10D +0.0 0.0        | S-10R<br>S-11R<br>S-12   | E-11M-R E-11D-R E-12 E-13 E-14S       |
| W-11<br>W-12S<br>W-12M<br>W-12D<br>W-13         |  | E-14M<br>E-14D                        |
| W-14S<br>W-14M<br>W-14D                         |  |                                       |
| _ A   | robe monitoring is conducted in accordance w., Section 1.3.1. Prior to sampling each probe compound concentration remains constant for 3 | is evacuated until the Total Organic  |
| Comments: GEM-500 CALIBRAT  * Submitted for lab | ED TO 2.5% CH <sub>4</sub><br>oratory analyses.  |                                       |
|   |  | · · · · · · · · · · · · · · · · · · · |

| EQUIPMENT USED: Landiec Gem, 500   | )<br>(Serial No. )   | BAROMETRIC (before): 28.98  BAROMETRIC (after): 29.03 |
|--|--|---|
| EQUIPMENT USED: Landtec Gern 500  TECHNCIAN: Com on Isol  DATE: 5/20/04  | w  | BAROMETRIC (after): 29,63                             |
| DATE: 5/20/04  | DATE:  | DATE:   |
| START TIME: 3/5<br>FINISH TIME: 335  | START TIME:FINISH TIME:  | START TIME:   |
| PROBE 1.02 PRESSURE 2.02 PROBE 1.02 PRESSURE 2.02 PROBE 1.02 PROBE | S-1A S-2B S-3S   | E-1 E-2S E-2M   |
| W-2A + OO OO W2B W-3S  | \$-3M1<br>\$-3M2<br>\$-3D  | E-2D<br>E-3<br>E-4                                    |
| W-3M -0.2 0.0<br>W-3D -0.2 0.0<br>W-4  | S-4<br>S-5   | E-5S<br>E-5M  |
| W-5S<br>W-5M   | S-6S<br>S-6M1<br>S-6M2   | E-5D  |
| W-5D — 0, 7 0.0<br>W-6<br>W-78   | S-6D<br>S-7<br>S-8   | E-8S  |
| W-7M<br>W-7D -0,3 0,0  | S-9S-R<br>S-9M1-R  | E-9<br>E-10   |
| W-9A<br>W-9B   | S-9M2-R<br>S-9D-R<br>S-10R   | E-11S-R<br>E-11M-R<br>E-11D-R                         |
| W-10S<br>W-10M -0,3 0,0<br>W-10D -0,1 0,0  | S-11R<br>S-12  | E-12<br>E-13<br>E-14S                                 |
| W-11<br>W-12S<br>W-12M   |  | E-14M<br>E-14D  |
| W-12D<br>W-13<br>W-14S   |  |   |
| W-14M<br>W-14D   |  |   |
| , A  | robe monitoring is conducted in accordance with the conducted in a | is evacuated until the Total Organic                  |
| Comments: GEM-560 CALIBRAT  * Submitted for lab  |  |   |
|  |  |   |

| EQUIPMENT                 | ΓUSED: Land         | 2,000<br>ftee Gem <del>500</del>                 | (Serial No.  | )                                     |                  | BAROMETR                  | IC (before): 2                        | 9.05   |
|---------------------------|---------------------|--|--|---------------------------------------|------------------|---------------------------|---------------------------------------|--|
| TECHNCI                   | AN:                 | eyes to  | (49)   |                                       |                  | BAROMETR                  | IC (after):2                          | 9.02   |
| DATE:                     | 5/21/0              | ) <del>Ч</del>                                   | DATE:  | 5/21/0                                | 94               | DATE:                     | 1/21/04                               |  |
| START TIME<br>FINISH TIME | E: 1315<br>E: 14: 2 | 5  | START TIM<br>FINISH TIM                            | E: 14:30                              |                  | START TIME<br>FINISH TIME | : 14:40<br>: 15:70                    |  |
|                           | STATIC<br>PRESSURE  | i veresc   |  | A SECULIA                             |                  |                           | STATIO                                | 100  |
|                           | mwc                 | CO.  |  |                                       | 76.00            | H-SYLLADY CHARLES FOR     | rings sing                            | ССНО   |
| W-1S                      |                     |  | S-1A   |                                       |                  | E-1                       | +02                                   | ND   |
| W-1M                      |                     |  | S-2B   |                                       |                  | E-2S                      |                                       |  |
| W-1D                      | ļ                   |  | S-3S   |                                       |                  | E-2M                      |                                       |  |
| W-2A                      | -0.0                | ND   | S-3M1  | ·                                     |                  | E-2D                      |                                       |  |
| W2B                       |                     | -  | S-3M2  | <u> </u>                              |                  | E-3                       |                                       |  |
| W-3S                      | 0.0                 | <del>   </del>                                   | S-3D   | <del> </del>                          | <del> </del>     | E-4                       | · · · · · · · · · · · · · · · · · · · |  |
| W-3M<br>W-3D              | -0.0                | N.D  | S-4  | <u> </u>                              | -                | E-5S                      |                                       | <del>                                     </del> |
| W-4                       | -0.0                | I NO   | S-5<br>S-6S  | · · · · · · · · · · · · · · · · · · · | <del> </del>     | E-5M                      |                                       | <del>  </del>                                    |
| W-58                      |                     | <del>                                     </del> | S-6M1  |                                       |                  | E-5D<br>E-6               |                                       | <del> </del>                                     |
| W-5M                      |                     |  | S-6M2  | <del> </del>                          | <del>  </del>    | E-7                       |                                       |  |
| W-5D                      | -0.0                | ND   | S-6D   | <del> </del>                          | <del>  </del>    | E-8S                      | ···                                   | <del> </del>                                     |
| W-6                       |                     | 1 12.5   | S-7  | <b></b>                               | <del> </del>     | E-8M                      | +0-1                                  | ND   |
| W-78                      |                     |  | S-8  |                                       |                  | E-8D                      | F Q-1                                 |  |
| W-7M                      |                     |  | S-9S-R   |                                       | <del> </del>     | E-9                       |                                       |  |
| W-7D                      | +0.4                | ND   | S-9M1-R  |                                       |                  | E-10                      | <del></del>                           |  |
| W-8                       |                     |  | S-9M2-R  |                                       |                  | E-11S-R                   |                                       | <del> </del>                                     |
| W-9A                      |                     |  | S-9D-R   |                                       |                  | E-11M-R                   |                                       |  |
| W-9B                      |                     |  | S-10R  |                                       |                  | E-11D-R                   | -0.4                                  | ND   |
| W-10S                     | <del></del>         | <u> </u>   | S-11R  |                                       | <u> </u>         | E-12                      |                                       |  |
| W-10M                     | +0.3                | <u>~₽</u>  | S-12   | +0.1                                  |                  | E-13                      |                                       |  |
| W-10D<br>W-11             | +0.3                |  |  | ļ <u>.</u>                            |                  | E-14S                     |                                       |  |
| W-11<br>W-12S             |                     | <del> </del>                                     | ·  |                                       |                  | E-14M                     | +0.2                                  | ND   |
| W-12M                     | <del></del>         | <del> </del>                                     |  | <del> </del>                          | <del> </del>     | E-14D                     | +0.1                                  | ND   |
| W-12D                     |                     | <del> </del>                                     | ·  | ····                                  |                  |                           | <del></del>                           | <del></del>                                      |
| W-13                      |                     | <del> </del>                                     |  |                                       |                  |                           |                                       | <del></del>                                      |
| W-14S                     | -0.1                | NO   | <u> </u>   |                                       | <del> </del>     | <del>  </del>             |                                       |  |
| W-14M                     |                     |  | <u> </u>   |                                       |                  |                           |                                       |  |
| W-14D                     |                     |  |  |                                       |                  |                           |                                       |  |
| Monitoring                | Protocol:           | . /  | Probe monitoring A, Section 1.3.1. Compound concer | Prior to sampl                        | ing each probe i | s evacuated unt           |                                       |  |
| Comments:                 | GEM- <del>š</del> e |  | TED TO 2.5% CH                                     |                                       |                  |                           |                                       |  |
| <del></del>               | * Subr              | nitted for lal                                   | boratory analyse                                   | es.                                   |                  |                           |                                       |  |
|                           |                     |  | · · · · · · · · · · · · · · · · · · ·              |                                       |                  |                           |                                       |  |
| <del></del>               |                     | ····   |  |                                       |                  | <del></del>               |                                       |  |
|                           | ·                   |  |  |                                       |                  | <del></del>               |                                       |  |

| 200° EQUIPMENT USED: Landtec Gem 500                    | (Serial No. 7406 )  | •   |
|---|---|---|
|   |   | BAROMETRIC (before): 28.97  BAROMETRIC (after): 28.96 |
| TECHNCIAN: Ramon IL                                     | DATE:   | DATE:   |
| START TIME: /335-<br>FINISH TIME: /420                  | START TIME:FINISH TIME:   | START TIME:FINISH TIME:                               |
| PROBE (D) PRESSURE (2001)  W-1S  W-1M  W-1D             | S-1A  | E-1 E-2S E-2M   |
| W-2A + 0, 0 0. 0  W2B  W-3S  W-3M + 0, 0 0, 0           | S-3M1<br>S-3M2<br>S-3D<br>S-4   | E-2D<br>E-3<br>E-4<br>E-5S                            |
| W-3D + 0.0 0.0<br>W-4<br>W-5S<br>W-5M<br>W-5D - 0.5 0.0 | S-5<br>S-6S<br>S-6M1<br>S-6M2<br>S-6D   | E-5M<br>E-5D<br>E-6<br>E-7                            |
| W-6 W-78 W-7M W-7D F-0,0 0.0                            | S-7<br>S-8<br>S-9S-R<br>S-9M1-R   | E-8S<br>E-8M<br>E-8D<br>E-9<br>E-10                   |
| W-8<br>W-9A<br>W-9B<br>W-10S                            | S-9M2-R<br>S-9D-R<br>S-10R<br>S-11R   | E-10<br>E-11S-R<br>E-11M-R<br>E-11D-R<br>E-12         |
| W-10M   | S-12  | E-13<br>E-14S<br>E-14M<br>E-14D                       |
| W-12M<br>W-12D<br>W-13<br>W-14S                         |   |   |
| W-14M<br>W-14D  |   |   |
| , A   | Probe monitoring is conducted in accordance<br>A, Section 1.3.1. Prior to sampling each prob<br>Compound concentration remains constant for | pe is evacuated until the Total Organic               |
| Comments: GEM-596 CALIBRAT  * Submitted for lab         | TED TO 2.5% CH <sub>4</sub> poratory analyses.  |   |
|   |   |   |

| EQUIPMENT USED: Landtec Gern 590 (S<br>CHNCIAN: Ramon B | Serial No. )   | BAROMETRIC (before): 28.9/<br>BAROMETRIC (after): 28.93              |
|---|--|--|
| DATE: 5/25/0 4  | DATE:  | DATE:  |
| START TIME: /325<br>FINISH TIME: /445                   | START TIME:  | START TIME:FINISH TIME:  |
| PROBE I.D. PRESSURE FOCH) (m.W.c.) FOCH)                | SSAFIGE TIOG<br>PROBE REP PRESSURE 1 (%CH)   | EPOBE ID. SPRESSURE (2/2GH)  |
| W-1S<br>W-1M<br>W-1D                                    | S-1A<br>S-2B<br>S-3S   | E-1 +00 0-0  |
| W-2A +0,0 0.0<br>W2B                                    | S-3M1<br>S-3M2   | E-2M<br>E-2D<br>E-3  |
| W-38<br>W-3M -0,1 0.0                                   | S-3D<br>S-4  | E-4<br>E-5S  |
| W-3D - 0, / 0. 0  | S-5<br>S-6S  | E-5M<br>E-5D   |
| W-5S<br>W-5M<br>W-5D -0.6 0.0                           | S-6M1<br>S-6M2<br>S-6D   | E-6<br>E-7   |
| W-6<br>W-78   | S-7<br>S-8   | E-8S<br>E-8M - 0, 2 0.0<br>E-8D                                      |
| W-7M - 0.2 0.0  | S-9S-R<br>S-9M1-R  | E-9<br>E-10  |
| W-8<br>W-9A<br>W-9B                                     | S-9M2-R<br>S-9D-R  | E-11S-R<br>E-11M-R   |
| W-108 - 02 00<br>W-10M + 0,0 00                         | S-10R<br>S-11R<br>S-12 +0.0 (2.7)  | E-11D-R — $\rho$ , $\overline{\gamma}$ ( $\rho$ , $\rho$ ) E-12 E-13 |
| W-10D<br>W-11   |  | E-14S<br>E-14M + 0. O O. O   |
| W-12S<br>W-12M<br>W-12D                                 |  | E-14D - 0, / 0.0   |
| W-13<br>W-14S -0.4 O.0                                  |  |  |
| W-14M<br>W-14D  |  |  |
| A,  | obe monitoring is conducted in accordance wit<br>Section 1.3.1. Prior to sampling each probe is<br>empound concentration remains constant for 30 | s evacuated until the Total Organic                                  |
| Comments: GEM-590 CALIBRATE  * Submitted for laboration |  |  |
|   |  |  |

## Monthly READINGS

| TECHNO         | ANI P                    | non Th                                | · · · · · · · · · · · · · · · · · · · |  | •  |                               |          | BAROMETR<br>BAROMETR                   | IC (after): Z      |   |
|----------------|--------------------------|---------------------------------------|---------------------------------------|--|--|-------------------------------|----------|--|--------------------|---|
| DATE: <        | AN: <u>Rai</u><br>125/04 | Ladad                                 | -11                                   |  | -bil   | <br>A                         |          |  | <u> </u>           |   |
| DA10           | 23/04                    | 1 5/26/0                              | 27                                    | DATE:                                  | 3 /2010  | 7                             |          | DATE:                                  | 5/31/              | 04  |
| START TIM      | E:                       |                                       | •                                     | START TIME                             | E;   |                               |          | START TIME                             | ž:                 |   |
| FINISH TIM     | E;                       |                                       | -                                     | FINISH TIMI                            | E;   |                               |          | FINISH TIME                            |                    |   |
|                | r viilusuusuvanism       | a la la santanta manana               | <u> </u>                              | Salari Salari Salari Salari Salari     | TALSING DESCRIPTION OF THE PARTY OF THE PA | PG ForCompton or Complete for | a) (i    | Entraction of the second               |                    |   |
| PROBE LD       | STATIC                   | TOG                                   |                                       |  | SECULO<br>BRISTIRE   | 100                           |          | CONTRACT CONTRACT OF THE STATE OF      | STATUC             | rice  |
|                | mWC)                     | [7,0H)                                |                                       | A SECURITION OF THE PROPERTY OF THE    | unvici   |                               | Newski   |  | ERESSURE<br>(BAYO) | Д гасно                                       |
| W-1S           | -0.1                     | 0.0                                   | ]                                     | S-1A                                   | N/A  | N/A                           | 1        | - E-1                                  | 0                  | 0.0   |
| W-1M           | -7.8                     | 0.0                                   | 1 7                                   | S-2B                                   | NA   | 810                           | 1 1      | E-2S                                   | 0                  | 0.0   |
| W-1D           | -8.4                     | 0.0                                   | 1 1                                   | S-3S                                   | -0.1   | 60                            | 1 1      | E-2M                                   | -0.2               | 0.0   |
| W-2A           | 0_                       | 0.0                                   | ]                                     | S-3M1                                  | 0  | 0.0                           | 1 1      | E-2D                                   | - 3, 2             | 00  |
| W2B            | - 8                      | 0.0                                   | ] 4                                   | S-3M2                                  | 0  | 0.0                           | ]        | E-3                                    | -lv1               | 00  |
| W-3S           | - 7.9                    | 00                                    | ∦ં∦                                   | S-3D                                   | 0  | 0.0                           |          | E-4                                    | 0                  | 0.0   |
| W-3M           | 0                        | 0.0                                   | 1 4                                   | S-4                                    | 0  | 0.0                           |          | E-58                                   | 0                  | 00  |
| W-3D           | -0,2                     | 0.0                                   | 1 4                                   | S-5                                    | 0  | 0.0                           | 1        | ∕ E-5M                                 | 0                  | 0.0   |
| W-4<br>W-58    | 1                        | 0.0                                   | 4 1                                   | S-6S                                   | 0  | 0.0                           | ᆘ        | E-5D                                   | 0                  | 0.0   |
| W-58<br>W-5M   | -11.4<br>-12-            | 0.0                                   | ∦ 1                                   | S-6M1                                  | 2  | 0.0                           | 1        | E-6                                    | -0,3               | 0.0   |
| W-5D           | -0.6                     | 0.0                                   | - 1                                   | S-6M2                                  | Ö  | 00                            | ╢╢       | E-7                                    | 0                  | 0.0   |
| W-6            | -167                     | 10.0                                  | 1 1                                   | S-6D                                   | 2  | 0.0                           | 4 1      | E-8S                                   | -015               | 0.0   |
| W-7S           | -12.1                    | 0.0                                   | 1 1                                   | S-7<br>S-8                             | 0  | 0.0                           | 11 1     | E-8M                                   | 7.a                | 0.0   |
| W-7M           | -11.8                    | 0.0                                   | 1 1                                   | S-9S-R                                 | - 11.3   | 0.0                           | ╂        | E-8D                                   | - /3               | 27.8  |
| W-7D           | -0.2                     | 0.0                                   | 1 1                                   | S-9M1-R                                | - 11.3   | 0.0                           | 1        | E-9<br>E-10                            | -01                | 0.0   |
| W-8            | D                        | 0.0                                   | 1 1                                   | S-9M2-R                                | -0:1   | 0.0                           | ╢╟       | E-11S-R                                | 0                  | 0.0   |
| W-9A           | -380                     | 0.0                                   | 1 7                                   | S-9D-R                                 | -0.1   | 0.0                           |          | E-11M-R                                | -0.1               | 0.0   |
| W-9B           | -7:8                     | 0.0                                   | ]                                     | S-10R                                  | 0.   | 0.0                           |          | E-11D-R                                | -0.7               | 0.0   |
| W-10S          | O                        | 0.0                                   | ] 내                                   | S-11R                                  | -0.1   | 0.6                           |          | E-12                                   | 0                  | 0.0   |
| W-10M          | -0.2                     | 0.0                                   | ]                                     | S-12                                   | 0  | 00                            |          | E-13                                   | 0                  | 0,0   |
| W-10D          | 0                        | 0.0                                   |                                       |  |  |                               | 1        | E-14S                                  | 0                  | 0.0   |
| W-11           |                          | 0.0                                   |                                       | ······································ |  |                               |          | E-14M                                  | - 3. 3             | 00  |
| W-128          | 0.                       | 0.0                                   |                                       |  |  |                               |          | E-14D                                  | -0,6               | 050   |
| W-12M          | -0.1                     | 10.0                                  | ∥ . ⊩                                 |  |  | ļ                             |          | ······································ |                    |   |
| W-12D<br>W-13  | 0                        | 0.0                                   |                                       |  | <u> </u>   |                               |          |  |                    |   |
| W-14S          | - 0.4                    | 00                                    | -                                     | ·                                      | <del></del>  | <u> </u>                      |          |  |                    | <u> -                                    </u> |
| W-145<br>W-14M | 70.7                     | 0.0                                   |                                       |  |  | <del> </del>                  |          |  |                    | <del> </del>                                  |
| W-14D          | -p2                      | 0.0                                   | <del> </del>                          |  |  | <del> </del>                  | -        |  |                    |   |
| onitoring      |                          | · · · · · · · · · · · · · · · · · · · | A, Sec                                | tion 1.3.1.                            |  | ling each pro                 | be is ev | acuated unt                            | ule 1150.1, A      |   |
|                |                          |                                       |                                       |  | •  |                               |          |  |                    |   |
|                | - 0                      | , OD                                  |                                       |  |  |                               |          |  |                    |   |
| omments:       |                          | O CALIBRA                             |                                       |  |  |                               |          |  |                    |   |
| -              | * Subr                   | nitted for la                         | aborato                               | ory analyse                            | es.  |                               |          |  |                    |   |
|                |                          |                                       |                                       |  |  | <del></del>                   |          |  |                    |   |
|                |                          |                                       |                                       |  |  |                               |          |  | ,                  |   |
|                |                          | -80-                                  |                                       | mple                                   |  | Co/lecte                      |          | + Sen                                  |                    |   |

| EQUIPMENT USED: Landtee Gem 560 CHNCIAN: Ramon      | 7252<br>(Serial No.78)  | BAROMETRIC (before): 28.53             |
|---|---|--|
| DATE: 3/26/04                                       | DATE:   | DATE:                                  |
| START TIME: /000<br>FINISH TIME: /020               | START TIME:FINISH TIME:   | START TIME:FINISH TIME:                |
| PROBE I.D. PRESSURE (CACHO)  W-1S  W-1M  W-1D  W-2A | S-1A  | E-1                                    |
| W-128<br>W-12M                                      |   | E-14D                                  |
| W-12D<br>W-13<br>W-14S<br>W-14M<br>W-14D            |   |  |
| Monitoring Protocol:                                | Probe monitoring is conducted in accordance A, Section 1.3.1. Prior to sampling each prob Compound concentration remains constant for | e is evacuated until the Total Organic |
|   | ATED TO 2.5% CH <sub>4</sub> aboratory analyses.  |  |
|   |   |  |

|                       | 5/20/20            |   |       |               |                |              | ,   |                       |  |
|-----------------------|--------------------|---|-------|---------------|----------------|--------------|---|-----------------------|--|
| PATE:~                | 3/2/10 7           | tec Gem 500<br>ton Jay                      |       | DATE:         |                |              | DATE:   | <del></del>           |  |
| TART TIM<br>INISH TIM | E: 1410<br>E: 1450 |   |       | START TIME    | 3:<br>3:       | <del></del>  | START TIM<br>FINISH TIM                         | E:                    |  |
|                       | STATIC<br>PRESSURE | Toc   |       |               | SUATIO         | TVO C        |   | STATIC                | TOC  |
|                       | (m-V/C)            | (%CHO                                       |       | 110           | PRESTRE        | (FACH)       | PROBE 11  | PRESSURE<br>(in W.C.) | (%CH <sub>4</sub> )                              |
| W-1S                  | - Epicona Company  | 25 (4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 |       | S-1A          | WA             | NA           | E-1   |                       |  |
| W-1M                  |                    |   |       | S-2B          | MIA            | N/A.         | E-2S  |                       | <del></del>                                      |
| W-1D                  |                    |   |       | S-3S          |                |              | E-2M  |                       |  |
| W-2A                  | -0.1               | 0.0   |       | S-3M1         |                |              | E-2D  |                       |  |
| W2B                   |                    | <b> </b>                                    | 1     | S-3M2         |                |              | E-3   |                       |  |
| W-38                  |                    |   |       | S-3D          |                |              | E-4   | <u> </u>              |  |
| W-3M<br>W-3D          | -0./               | 0,0   |       | S-4           |                |              | E-5S  | -                     |  |
| W-4                   | +0,0               | 0-0   |       | S-5<br>S-6S   |                |              | E-5M  |                       | <del>                                     </del> |
| W-58                  | <del> </del>       | <del> </del>                                | .     | S-6M1         |                |              | E-5D  |                       |  |
| W-5M                  |                    |   | Ì     | S-6M2         |                | <del> </del> | E-6<br>E-7                                      |                       |  |
| W-5D                  | -0.1               | 0.0   | Ì     | \$-6D         |                |              | E-8S  | <u> </u>              | <del></del>                                      |
| W-6                   |                    |   | Į     | S-7           |                |              | E-8M  |                       | · ·  |
| W-7S                  |                    |   | ŀ     | S-8           |                |              | E-8D  |                       |  |
| W-7M                  |                    |   | Ì     | S-9S-R        |                |              | E-9   |                       |  |
| W-7D                  | -0.1               | 00  |       | S-9M1-R       | ļ              |              | E-10  |                       |  |
| W-8                   |                    | <b> </b>                                    |       | S-9M2-R       |                |              | E-11S-R   |                       |  |
| W-9A<br>W-9B          | <del> </del>       |   |       | S-9D-R        |                |              | E-11M-R   |                       |  |
| W-10S                 |                    | <del>  </del>                               | -     | S-10R         |                |              | E-11D-R   |                       |  |
| W-10M                 | 10.0               | 0.0   |       | S-11R<br>S-12 | ····           |              | E-12  |                       |  |
| W-10D                 | 10.0               | 0.0   | H     | 3-12          |                |              | E-13<br>E-14S                                   | -                     | ***********                                      |
| W-11                  | 70.0               | 0-0-  | l l   |               |                |              | E-148   |                       |  |
| W-12S                 |                    |   |       |               |                |              | E-14D   | <del></del>           |  |
| W-12M "               |                    |   |       |               |                |              |   |                       |  |
| W-12D                 |                    |   |       |               |                |              |   | 1                     | <del> </del>                                     |
| W-13                  |                    |   |       |               |                |              |   |                       |  |
| W-14S                 | <u> </u>           |   |       |               |                |              |   |                       |  |
| W-14M                 |                    |   | 1     |               |                |              |   |                       |  |
| W-14D                 |                    |   | Ĺ     |               |                |              | L   | <u> </u>              |  |
| onitoring             | Protocol:          | Α   | , Sec | tion 1.3.1. 1 | Prior to sampl |              | rith SCAQMD I<br>is evacuated un<br>30 seconds. |                       |  |
| mments:               | GEM-50             | o<br>0 CALIBRAT                             |       | O 2.5% CH     |                | _            |   |                       | 1  |

|                         | T USED: Land                          |  |              |  | )                                     |                                       | ÷          | BAROMETR<br>BAROMETR                    | IC (before): 2<br>IC (after): 2 | 8.91<br>8.93                                      |
|-------------------------|---------------------------------------|--|--------------|--|---------------------------------------|---------------------------------------|------------|---|---------------------------------|---|
| TECHNO                  | IAN:                                  | on Is  | parre        | <u> </u>                               |                                       |                                       |            |   |                                 |   |
| DATE:                   | 128/04                                |  |              |  | · · · · · · · · · · · · · · · · · · · |                                       |            | DATE:                                   | <del> </del>                    | · <del>· · · · · · · · · · · · · · · · · · </del> |
| START TIM<br>FINISH TIM | E: <u>/250</u><br>E: <u>/33</u> /     |  |              | START TIM<br>FINISH TIM                | *****                                 |                                       |            | START TIME<br>FINISH TIME               | 3:<br>3:                        |   |
|                         | STATIC                                |  | i) ir        |  | o politica de alteración              |                                       | 1911       | 200000000000000000000000000000000000000 |                                 | Allowetters Land Land                             |
| PROBE LE                |                                       | 10C<br>(%CH)                                     |              |  | SEATIC<br>PRESSURE<br>(IIIW.C.)       |                                       |            | PROBE LD                                | STATIC<br>PRESSURE<br>(in W.C.) | TOC (%CH <sub>4</sub> )                           |
| W-18                    |                                       |  |              | S-1A                                   | NA                                    | NIA                                   | 1          | E-1                                     | 10,0                            | 0.0   |
| W-1M                    |                                       |  |              | S-2B                                   | MIA                                   | N/A.                                  | 1 1        | E-2S                                    |                                 | 1 626   |
| W-1D                    |                                       |  | ]   [        | S-3S                                   |                                       |                                       | ]          | E-2M                                    |                                 |   |
| W-2A                    | +0.0                                  | 0.0  |              | S-3M1                                  |                                       |                                       |            | E-2D                                    |                                 |   |
| W2B                     | 4                                     |  |              | S-3M2                                  |                                       |                                       |            | E-3                                     |                                 |   |
| W-3S                    | 7                                     | ļ., <u>.</u>                                     |              | S-3D                                   |                                       |                                       | ]          | R-4                                     |                                 |   |
| W-3M                    | +0,0                                  | 0.0  |              | S-4                                    |                                       |                                       | ]          | E-58                                    |                                 |   |
| W-3D .                  | * + O.O                               | 0.0  |              | S-5                                    |                                       |                                       | ] [        | E-5M                                    |                                 |   |
| W-4                     |                                       |  |              | S-6S                                   |                                       |                                       | <u> </u>   | E-5D                                    |                                 |   |
| W-58                    |                                       |  |              | S-6M1                                  |                                       |                                       | 1 1        | E-6                                     |                                 |   |
| W-5M                    | 0.77                                  | 4.0  |              | S-6M2                                  | <u> </u>                              | <u> </u>                              | <u> </u>   | E-7                                     |                                 |   |
| W-5D                    | -0.4                                  | 0.0  |              | S-6D                                   |                                       | <u> </u>                              | ]          | E-8S                                    |                                 |   |
| W-6                     | · · · · · · · · · · · · · · · · · · · | <u> </u>   |              | S-7                                    |                                       | ļ                                     | <b>∥</b> ∥ | E-8M                                    | -0.1                            | 0.0   |
| W-7S                    | <del> </del>                          | <del> </del>                                     |              | S-8                                    |                                       |                                       | 4 1        | E-8D                                    |                                 | <u> </u>  |
| W-7M                    | 1 En 2                                |  | ]            | S-9S-R                                 |                                       |                                       | # #        | E-9                                     | ļ                               |   |
| W-7D<br>W-8             | t0.3                                  | 0.1  |              | S-9M1-R                                | <u> </u>                              | <del> </del>                          | ╢          | E-10                                    |                                 | ļ   |
| W-9A                    |                                       | <del> </del>                                     |              | S-9M2-R                                |                                       | ļ                                     | ╢┈╟        | E-11S-R                                 |                                 |   |
| W-9B                    |                                       |  |              | S-9D-R<br>S-10R                        |                                       | <del> </del>                          | ╢╟         | E-11M-R                                 | <del> </del>                    | 9 3   |
| W-10S                   |                                       | <del>                                     </del> | -            | S-10R<br>S-11R                         |                                       |                                       | 1 1        | E-11D-R                                 | -0.1                            | 0,0   |
| W-10M                   | 10.0                                  | 0.0  |              | S-11R<br>S-12                          | 10.0                                  | 0.0                                   | ╢╟         | E-12                                    |                                 | <u> </u>  |
| W-10D                   | 10,1                                  | 0.0  | <del> </del> | 3-12                                   | 7 010                                 | 10.0                                  | ┨┈╟        | E-13<br>E-14S                           |                                 | ļ <u>.</u>  |
| W-11                    | 1 / 2 / 1                             | 1 60° U  |              | <del></del>                            | <del> </del>                          | +                                     | ┨╴╟        | E-14S<br>E-14M                          | 10.0                            | 10  |
| W-12S                   |                                       | <del>  </del>                                    |              |  |                                       | <del> </del>                          | ┨          | E-14D                                   | +0.1                            | 0.0   |
| W-12M                   |                                       |  |              | ······································ |                                       |                                       | ╢╟         | 15-170                                  | 10.1                            | 0.0   |
| W-12D                   |                                       |  |              | · · · · · · · · · · · · · · · · · · ·  |                                       |                                       | ╢╟         |   | ļ                               | <del></del>                                       |
| W-13                    |                                       |  |              |  |                                       | · · · · · · · · · · · · · · · · · · · | <b>1</b>   |   |                                 |   |
| W-14S                   |                                       |  |              |  |                                       |                                       | 1          |   |                                 | <del>                                     </del>  |
| W-14M                   |                                       |  |              |  |                                       |                                       | 1 (t       |   |                                 |   |
| W-14D                   |                                       |  |              |  |                                       |                                       |            |   |                                 |   |
|                         | Protocol:                             | ,  | A, Sect      | ion 1.3.1.                             |                                       | ling each pro                         | be is ev   | acuated uni                             | Rule 1150.1, A                  |   |
| omments:                | GEM-50                                | 700<br>10 CALIBRA                                |              |  |                                       |                                       |            |   |                                 | •   |
|                         | * Subr                                | nitted for la                                    | borato       | ry analys                              | es.                                   |                                       |            |   |                                 |   |

| EQUIPMENT USED: Landt                             | A Committee of the comm | •  | •            | B<br>. B        | AROMETI<br>AROMETI                  | RIC (before):<br>RIC (after):      | 58.08             |
|---|--|--|--------------|-----------------|-------------------------------------|------------------------------------|-------------------|
| TECHNCIAN: Rey                                    | <u>es 440</u>  | ATE:   | ÷ .          |                 |                                     | 6/1/0                              |                   |
| START TIME: 130<br>FINISH TIME: 3850 p            | 響頭物語 キモディム   | TART TIME:<br>NISH TIME:                                 |              | si              | ART TIM                             | E: <u>3115</u><br>E: <u>3117</u> ρ | ęm<br>m           |
| PROBE ID PRESORE (DW.C)  W-18  W-1M  W-1D         |  | CODI.  | SURG         | 100             | E-1<br>E-2S                         | STATIC<br>PRAISSING<br>CONV.CD     | i de<br>Vacus     |
| W2B<br>W-3S<br>W-3M - 0-3                         | ND NO  | S-3M1<br>S-3M2<br>S-3D<br>S-4                            |              |                 | E-2M<br>E-2D<br>E-3<br>E-4<br>E-5S  | +0-4                               | NN                |
| W-3D - 0. 2<br>W-4<br>W-5S<br>W-5M<br>W-5D - 0. 6 |  | S-5<br>S-6S<br>S-6M1<br>S-6M2<br>S-6D                    |              |                 | E-5M<br>E-5D<br>E-6<br>E-7          |                                    |                   |
| W-6 W-7S -0-1 W-7M -0-8 W-7D -0-2                 | ND 5   | 8-7<br>S-8<br>S-9S-R<br>-9M1-R                           |              |                 | E-8S<br>E-8M<br>E-8D<br>E-9<br>E-10 |                                    |                   |
| W-9A<br>W-9B<br>W-10S + 0-4                       | PD 5   | 9M2-R<br>-9D-R<br>S-10R<br>S-11R<br>S-12                 |              | E E             | -11S-R<br>11M-R<br>11D-R<br>E-12    |                                    |                   |
|   | 7.7  |  | 20.          | I E             | E-13<br>2-14S<br>-14M<br>-14D       |                                    |                   |
| W-12D<br>W-13<br>W-14S<br>V-14M<br>V-14D          |  |  |              |                 |                                     |                                    |                   |
| nitoring Protocol:                                | A, Section   | itoring is conducted 1.3.1. Prior to se concentration re | impling each | probe is evacu: | liten bate                          | le 1150.1, At<br>the Total Org     | tachment<br>ganic |
| oments: GEM-590 C<br>★ Submitte                   |  | 5% CH.   |              | 202 00 300000   |                                     |                                    |                   |

| NCIAN: Qe G//04  TIME: 1:30  TIME: 3:00  STATIC ID. PRESSURE GHWC3 | fm<br>fm   | DATE:START TIM   | 6/1/81<br>E: 3: 1 C  |  | -  | DATE:   |   |             |
|--|--|--|--|--|--|---|---|-------------|
| G(//04  TIME: 1:30  TIME: 3:00  STATIC  ID: PRESSURE  ID: PRESSURE | fm<br>fm   | DATE:START TIME FINISH TIME PROBE TO                                 | E: 31 6<br>E: 31 7 6   |  | _  | START TIM   | E: 4,15   |             |
| TIME: 3: 00  SPACE  ID PRESSURF  (mwc)                             | <u>}</u>   | PROBE II   | SVAUTE<br>BURISSURG  | Total  |  | START TIM   | E: 4,15   |             |
| TIME: 3: 00  SPACE  ID PRESSURF  (mwc)                             | <u>}</u>   | PROBE II   | SVAUTE<br>BURISSURG  | Total  |  |   | E: <u>4,15</u>  |             |
| LD, PRESSURI<br>(B.W.C.)   |  |  | i   PRESSURE   | TOC  |  |   | ob singlement sometimen   |             |
| (men/c)  |  |  |  |  |  | THE RESERVE AND ADDRESS OF THE PARTY.   | STATIC  |             |
|  |  |  |  |  |  | PROBE LI  | PRESSURE  | 100<br>(%6) |
| <del></del>  |  |  | (0.000)  |  |  |   | (OWC)   |             |
| 1  |  | S-1A   | <u> </u>   | <u> </u>   | -∦   | E-1   | +0.3  | an          |
| <del>^</del>   | <del>  </del>  | S-2B   |  |  | _  | E-2S  |   |             |
|  |  | S-3S   | <u> </u>   | <u> </u>   | 4 .  | E-2M  |   |             |
| <del>-   </del>  | 1 20 1   |  | <del>                                     </del>   |  | -∦   | E-2D  |   |             |
|  | <del>  </del>  | 1  | <del>- </del>  | <del> </del>   | 4  | E-3   |   |             |
|  | <del>                                      </del>                    |  |  | <del> </del>   | ╢╽   | E-4   | +0.4  | No          |
|  |  |  |  | <del> </del>   | 4  | E-5S  | <u> </u>  |             |
| <del>-   - 0 - 2 -  </del>   | <del>  ~p  </del>  | <u> </u>   | <u> </u>   |  | 4  | E-5M  | <u></u>   |             |
|  | <del>  </del>  |  | <del> </del>   | <del> </del>   | -  |   |   |             |
|  | <del>                                     </del>                     | · · · · · · · · · · · · · · · · · · ·                                | <del></del>  | <del> </del>   | 4  |   |   |             |
| <del></del>  | 1 000  | <del> </del>   | <del> </del>   | <del> </del>   | -1   |   |   |             |
| <del>0. 10</del>   | 10,13  | ( <del></del>  | <del> </del>   | <del> </del>   | -  |   |   |             |
| -0.1   | 1 2/0  |  | <del> </del> -   |  | -∥ ∥   |   |   |             |
|  |  | <u> </u>   |  | <del> </del>   | 4 1  |   | +0.3  | ND          |
|  |  |  | <del> </del>   | <del> </del>   | -  |   |   | ·           |
|  |  | J  | <del> </del>   | <u> </u>   | 4  |   |   | <del></del> |
|  |  | <u> </u>   | <del> </del>   |  | -  |   |   | ··          |
|  |  |  | <del> </del>   |  | -     -  |   |   |             |
| + 0.74   | Ne   |  | <del> </del>   |  | 1 1  |   | +0.3  | ND          |
|  |  |  | 102  |  | 1 1  |   |   |             |
|  |  |  | TU, 2  | <u> </u>   | #   <del> </del>   |   |   |             |
|  |  |  |  | <u> </u>   | ╢╟   |   | 1 0 16  |             |
|  |  |  |  | <del></del>  | ()   |   |   | <u>~p</u>   |
|  |  |  |  |  |  | E-14D   | +0+2  | <i>∿</i> 0  |
|  |  |  |  |  | -<br>  |   |   |             |
|  |  |  |  | ·  | <del> </del>   |   |   | <del></del> |
| +0.4   | 20   |  |  |  | <del> </del>   |   |   | <del></del> |
|  |  |  |  |  |  | - 1   |   |             |
|  |  |  |  |  |  |   |   |             |
|  | -0.3<br>-0.2<br>-0.6<br>-0.1<br>-0.8<br>-0.2<br>+0.3<br>+0.8<br>+0.5 | -0.3 Mg -0.2 Mg -0.1 Wg -0.8 Mg -0.2 MH.2 +0.3 Ng +0.8 3.0 +0.8 11.7 | - 0.2 AA S S 3M1 S 3M2 S 3D S 4 S 5 S 6S S 6M1 S 6M2 S 6M2 S 6D S 7 S 8 S 6D S 7 S 8 S 9 S 8 S 9 S 9 S 9 S 8 S 9 S 9 S 8 S 9 S 9 S 9 S 9 S 9 S 9 S 9 S 8 S 9 S 9 S 8 S 9 S 9 S 9 S 9 S 9 S 9 S 9 S 9 S 9 S 8 S 9 S 9 S 9 S 8 S 9 S 9 S 9 S 9 S 8 S 9 S 9 S 9 S 9 S 9 S 9 S 9 S 9 S 9 S 9 | -0.2 ALS  -0.3 ALS  -0.3 ALS  -0.2 ALS  S3M1  S-3M2  S3D  S4  -0.2 ALS  S-5  S-68  S-6M1  S-6M2  S-6M2  S-6D  S-7  S-8  S-9S-R  S-9S-R  S-9M1-R  S-9M2-R  S-11R  S-11R  S-12 +0.2 | -0.2   ALN   S-3M1   S-3M2   S-3D   S-3D   S-4   S-5   S-6S   S-6M1   S-6M2   S-6D   S-7   S-8   S-9S-R   S-9S-R   S-9M1-R   S-9M2-R   S-9M2-R   S-9D-R   S-10R   S-11R   S-11R   S-12   +0.2   11.67   ND   S-12   +0.2   -0.2   DAN   S3M1   S3M2   S3D   S3D   S3D   S3D   S4   S3D   S4   S5   S6S   S6M1   S6M2   S6D   S7   S8   S9SR   S9SR   S9SR   S9M1-R   S9M2-R   S9M2-R   S9D-R   S-10R   S-11R   S-12   +0.2   DAN   S-12   +0.2   DAN   DAN   S-12   +0.2   DAN   DAN   S-12   +0.2   DAN   DAN   DAN   S-12   +0.2   DAN   -0,2   0.5   E-2D   E-3   E-4   E-5S   E-5S   E-5S   E-5S   E-5D   E-6   E-7   E-8S   E-8D   E-9   E-10   E-11S-R   E-11D-R   E-14S   E-14S   E-14D   S3M1        |

| : 12:50<br>: 13:35 | on Iban  | DATE:START TIME:FINISH TIME:  |  |  | DATE:START TIME  |  |   |
|--------------------|--|-------------------------------|--|--|--|--|---|
| STATIC             | - Contraction of the Contraction |                               |  |  | START TIME   | š:   |   |
| STATIC             | I III SANGARAN SANGARAN  |                               |  |  | SIAKIIIME  | 57   |   |
| STATIC             | and the second second  | THAIGHT THAID.                |  |  | CINTOU TO IT   | 3:   |   |
|                    | SILL RESIDENCE STREET  |                               |  |  | runion Havir   | ٥٠ <u>.                                    </u>  |   |
|                    |  | SI SIA                        |  |  |  | Sivanie  |   |
| PRESSURE           | (SVCH)   | PROBE ID: PROS                |  |  |  | PRESSUR  | <b>建设的</b>  |
| (m.W.C.)           |  | 6 V                           | /action  |  |  | (m W.C.)   |   |
|                    |  | S-1A                          |  |  | E-1  | a decade and a second and a  | age a comment of the |
|                    |  | S-2B                          |  |  | E-28   |  |   |
|                    |  | S-3S                          |  |  | E-2M   |  |   |
| -0.D               | ND   | S-3M1                         |  |  | E-2D   |  |   |
|                    |  | S-3M2                         |  |  | E-3  |  |   |
|                    |  | S-3D                          |  | ×.   | E-4  |  |   |
| -0.1               | ND   | S-4                           |  | i  | E-5S   | <u> </u>   |   |
| -0.2               | NU   | S-5                           |  |  | E-5M   |  |   |
|                    |  | S-6S                          |  |  | E-5D   |  |   |
|                    |  | S-6M1                         |  |  | E-6  |  |   |
|                    |  | S-6M2                         |  |  | E-7  |  |   |
| -0-4               | ND   | S-6D                          |  | Ì  | E-8S   |  |   |
|                    |  | S-7                           |  | 4  | E-8M   |  |   |
|                    |  | S-8                           |  |  | E-8D   |  |   |
| ·                  |  | S-9S-R                        |  |  | E-9  |  |   |
| -0-3               | ND   | S-9M1-R                       |  |  | E-10   |  |   |
| <del></del>        |  |                               |  | - 1  | E-11S-R  |  |   |
|                    |  |                               |  | ſ  | E-11M-R  |  |   |
|                    |  | S-10R                         |  | +  | E-11D-R  |  | <u> </u>  |
| <u> </u>           |  | S-11R                         |  |  | E-12   |  |   |
|                    |  | S-12                          |  |  | E-13   |  |   |
| -001               | 20   |                               |  |  | E-14S  |  |   |
|                    | <u>  </u>  | <b> </b>                      |  | 4  | E-14M  |  |   |
|                    |  |                               |  | +  | E-14D  |  | <b>_</b>  |
|                    |  |                               |  | ļ  |  |  |   |
|                    | <b></b>  |                               |  | l  |  |  |   |
|                    | <b></b>  |                               |  | Į  |  |  |   |
|                    |  | <del></del>                   |  |  |  |  |   |
|                    | <del></del>  | <b> </b>                      |  | -  |  |  |   |
|                    |  |                               |  | L  |  |  |   |
|                    | -0./   | -0.1 ND<br>-0.2 ND<br>-0.3 ND | S-1A S-2B S-38 S-38 S-38 S-3M1 S-3M2 S-3M2 S-3M2 S-3M2 S-3M2 S-3M2 S-3M2 S-3M2 S-3M2 S-3M2 S-3M2 S-3M2 S-3M2 S-3M2 S-3M2 S-3M2 S-4 S-5 S-6S S-6M1 S-6M2 S-6M1 S-6M2 S-6M2 S-6M1 S-6M2 S-6M2 S-6M1 S-6M2 S-6M1 S-6M2 S-6M1 S-6M2 S-6M1 S-6M2 S-6M1 S-6M2 S-6M1 S-6M2 S-6M1 S-6M2 S-6M1 S-6M2 S-10R S-11R S-11R S-12 | S-1A S-2B S-3S S-3S S-3M1 S-3M2 S-3D S-3D S-4 S-5 S-6S S-6S S-6M1 S-6M2 S-7 S-8 S-9S-R S-9M1-R S-9M2-R S-9D-R S-10R S-11R S-12 | S-1A   S-2B   S-3S   S-3S   S-3M1   S-3M2   S-3D   S-3D   S-4   S-5   S-6S   S-6M1   S-6M2   S-6D   S-7   S-8   S-9S-R   S-9S-R   S-9M1-R   S-9M2-R   S-9M2-R   S-9M2-R   S-9M2-R   S-9M2-R   S-10R   S-11R   S-12 | S-1A   S-2B   E-2S    -O = D   W D   S-3S   E-2M    -O = D   W D   S-3M1   E-2D    -O = D   W D   S-3M2   E-3    -O = D   W D   S-5   E-5M    -O = D   W D   S-5   E-5M    -O = D   W D   S-6S   E-5M    -O = D   W D   S-6M1   E-6    -O = D   W D   S-6M2   E-7    -O = D   W D   S-9M1-R   E-9    -O = D   W D   S-9M1-R   E-10    -O = D   W D   S-11R   E-11M-R    -O = D   W D   S-12   E-13    -O = D   W D   E-14S    -O = D   W D    -O = D | S-1A   S-2B   E-2S   E-2M   E-2D   S-3M1   S-3M2   E-3   E-4   E-5S   E-5M   E-5D   S-6M1   S-6M2   E-7   S-8   S-9S R   S-9S R   S-9M2-R   S-9M2-R   S-10R   S-11R   S-12   S-12   S-13   E-14S   E  |

| DA       | ATE:           | 6/3/04             | mon B  | DATE:         | <del></del>                                      |  | DATE:   |  |     |
|----------|----------------|--------------------|--|---------------|--|--|---|--|-----|
| ST       | ART TIM        | E: 1437<br>E: 1505 | <u> </u>   |               | E:   |  | START TIMI<br>FINISH TIMI                       | E:   |     |
| PI       | OBE TD         | STATIC<br>PRESSURE |  | PROBE IN      | SPAUG<br>PROSSURG<br>GUVAC                       | 100  |   | STATIC<br>PATESSITE                              | TOX |
| 38       |                | (mWC)              |  |               | gwei,  |  |   | (th Web)   |     |
| <u> </u> | W-1S           |                    | <u> </u>   | S-1A          |  |  | E-1   |  |     |
| ⊩        | W-1M           | ļ                  | <u> </u>   | S-2B          |  |  | E-2S  |  |     |
| <u> </u> | W-1D           | 1 -                |  | S-3S          | -  | ļI   | E-2M  |  |     |
| ⊩        | W-2A           | 10.0               | 0.0  | S-3M1         |  | <u> </u>   | E-2D  |  |     |
|          | W2B<br>W-3S    | <del> </del>       | <del>  </del>                                    | S-3M2         | <del> </del>                                     | <del>-  </del>                                   | E-3   | ļ  |     |
| -        | W-3S<br>W-3M   | -0.3               | <del>  _  </del>                                 | S-3D          | -  | -  | E-4   | <del>                                     </del> |     |
| -        | W-3/VI<br>W-3D | -0.2               | 0.0  | S-4           |  |  | E-5S  | <del> </del>                                     |     |
| -        | W-4            | 1 - W.S.           | 0.0  | S-5<br>S-68   | <del>                                     </del> |  | E-5M  | <del> </del>                                     |     |
| $\vdash$ | W-5S           |                    | <del>                                     </del> | S-6M1         | <del>                                     </del> | 1  | E-5D<br>E-6                                     | <del> </del>                                     |     |
| $\vdash$ | W-5M           |                    |  | S-6M2         | - ·  | <del>  </del>                                    | E-7   |  |     |
|          | W-5D           | -0.3               | 0-0  | S-6D          | <u> </u>   | 1 1  | E-8S  |  |     |
|          | W-6            |                    |  | S-7           |  |  | E-8M  | <b>†</b>   |     |
|          | W-7S           |                    |  | S-8           | 1  |  | E-8D  |  |     |
|          | W-7M           |                    |  | S-9S-R        |  |  | E-9   |  | 4   |
| <b></b>  | W-7D           | -0-3               | 0-0  | S-9M1-R       |  |  | E-10  |  |     |
| _        | W-8            |                    |  | S-9M2-R       |  |  | E-11S-R   |  |     |
|          | W-9A           | ļ <u>.</u>         |  | S-9D-R        |  |  | E-11M-R   |  |     |
|          | W-9B           |                    | ļ  | S-10R         |  |  | E-11D-R   |  |     |
|          | W-10S          | .0.4               |  | S-11R         | <u> </u>   | ļ  | E-12  |  |     |
|          | W-10M<br>W-10D | -0.1               | 00   | S-12          |  |  | E-13  |  |     |
|          | W-10D          | 40.2               | 0.0  |               |  | <u> </u>   | E-14S   |  |     |
|          | W-11<br>W-12\$ |                    | <del>  </del>                                    | <b> </b>      | <del> </del>                                     | <del>                                     </del> | E-14M   | <del> </del>                                     |     |
|          | V-12M          |                    | <del>  </del>                                    |               |  | <del> </del>                                     | E-14D   | <del> </del>                                     |     |
|          | W-12D          |                    | <del> </del>                                     | <del></del>   | <del> </del>                                     | <del>                                     </del> |   |  |     |
| _        | W-13           |                    |  | <b> </b>      |  | <del> </del>                                     | 1   | <del>                                     </del> |     |
|          | W-14S          |                    |  |               |  |  |   |  |     |
|          | V-14M          |                    |  |               |  | <del>                                     </del> |   |  |     |
|          | W-14D          |                    |  |               |  |  |   |  |     |
| Мо       | nitoring       | Protocol:          | A,   |               | Prior to samp                                    | ling each probe                                  | vith SCAQMD F<br>is evacuated un<br>30 seconds. |  |     |
| Con      | unents:        | GEM-50             | 0 CALIBRATE                                      | ED TO 2.5% CH | <b>L</b>   |  |   |  |     |
|          | _              | * Subr             | nitted for labo                                  | ratory analys | es.  |  |   |  |     |

| TECHNO      | IAN: <u>Pe</u>   | us a trec   |      |                                       | )                    |   |  | BAROMET                 | RIC (before):                                    | 28.95  |
|-------------|--|---|------|---------------------------------------|----------------------|---|--|-------------------------|--|--|
|             | chul.  | -1 <del>-2</del> -3 11-4                          | 10   |                                       |                      |   |  | BAROMET                 | RIC (after):                                     | 28.41  |
| TART TIM    | 014104   |   |      | DATE:                                 | 6/4/04               |   | _  | DATE:                   | 6/4/04   | · · · · · · · · · · · · · · · · · · ·  |
| TNISH TIM   | E: 17:40   | )   |      | START TIM                             | E: 15:10<br>E: 15:10 | )   |  | START TIM<br>FINISH TIM | E: <u>15; 2</u><br>E: <u>15; 3</u>               | 5  |
|             | STATE  |   | 1    |                                       |                      |   |  |                         |  | an enganagan   |
| ROBE LI     | 10 21 NO 121 121 14 15 14 16 16 16 16 16 16 16 16 16 16 16 16 16   |   |      | PROBECTS                              | PRESSURI             |   |  | PROBE In                | PRINCIPA   | тос  |
|             | (m.w.c.)   |   |      |                                       |                      |   |  |                         |  |  |
|             | <del> </del>   |   | 1    | S-1A                                  | ,                    |   |  | E-1                     |  | QN   |
|             | <del> </del>   | <del>                                      </del> |      | S-2B                                  |                      |   |  | E-2S                    | <del>                                     </del> | <del>  ''''</del>  |
|             | +  |   |      | S-3S                                  |                      |   |  | E-2M                    |  | 1  |
|             | 1+0.0  | IND   |      | S-3M1                                 | •                    |   |  | E-2D                    |  |  |
|             | <del> </del>   | <del> </del>                                      |      | S-3M2                                 |                      |   |  | E-3                     |  |  |
|             | 1  | -   |      | S-3D                                  | 1                    |   |  | E-4                     |  |  |
| <del></del> |  |   | 1    | S-4                                   | ļ                    |   |  | E-5S                    |  |  |
|             | 1-5.K  | - KD  |      | S-5                                   | ļ                    |   |  | E-5M                    |  |  |
|             | <del> </del>   | <del> </del>                                      | Į    | \$-6S                                 |                      |   | _  | E-5D                    |  |  |
|             | <del> </del>   |   |      | S-6M1                                 | <u> </u>             |   | _  | E-6                     |  |  |
|             | 1-A-L  | <del> </del>                                      |      | S-6M2                                 | ļ                    |   | <b></b>  | E-7                     |  |  |
|             | -0.7   | 1 NO  |      | S-6D                                  |                      |   | _  | E-8S                    |  |  |
|             | <del>                                     </del>   | <del> </del>                                      |      | S-7                                   | <u> </u>             | <u> </u>  | _  | E-8M                    | -0-2   | ND   |
|             | <del> </del>   | <del></del>                                       |      |                                       | ļ                    | <u> </u>  | 4  | E-8D                    |  |  |
|             | - A 3  | 1   |      |                                       |                      | <u> </u>  | 4  | E-9                     |  |  |
| W-8         |  | <u>~u</u>   | 1    |                                       |                      | <del> </del>  | -  | E-10                    |  |  |
| W-9A        |  |   | ,    |                                       | <del> </del>         | <del> </del>  | -  | E-11S-R                 |  |  |
| W-9B        |  | <b></b>   |      |                                       | <del></del>          | <del> </del>  | -∥   |                         |  |  |
| W-10S       |  |   |      |                                       | <del> </del>         | <del> </del>  | 4  |                         | -0.0   | ND   |
| W-10M       | +0.0   | V)8/  |      |                                       | 400                  | <del> </del>  | 4  | E-12                    |  |  |
| W-10D       |  |   |      | 5-14                                  | TUIU                 | I ND  | -  |                         |  |  |
| W-11        |  | · · · · ·   | -    | <del></del> -                         |                      | <del> </del>  | -  |                         |  |  |
| W-12S       |  |   | J,   | · · · · · · · · · · · · · · · · · · · | <u> </u>             | <del>                                     </del>  | -  | -                       |  | <b>ND</b>  |
| W-12M       |  |   | ſ    |                                       |                      | <del></del>   | -  | E-141)                  | -00  | ND   |
| W-12D       |  |   |      |                                       |                      | <del> </del>  | -  | <del></del>             |  | <del></del> -  |
| W-13        |  |   | ĺ    |                                       |                      | <del> </del>  | 1 1  |                         |  |  |
| W-145       | -0.0   | ND  |      |                                       |                      |   | ¶ ∦  |                         |  |  |
|             |  |   |      |                                       |                      |   | 1  |                         | <del></del>                                      |  |
| W-14D       |  |   |      |                                       |                      |   | -<br>  |                         |  | ···  |
|             | W-1S W-1M W-1D W-2A W2B W-3S W-3M W-3S W-3M W-3D W-4 W-5S W-5M W-5S W-5M W-5D W-6 W-7S W-7M W-7D W-8 W-9A W-9B W-10S W-10M W-10D W-11 W-12S W-12D W-13 W-14S W-14M | W-18  | W-18 | W-18                                  | W-18                 | ### CORP 1D   RESSURF (000)   ROBE ID   PRESSURE   ROBE ID   PRESSURE   ROBE ID   PRESSURE   ROBE ID   PRESSURE   ROBE ID   PRESSURE   ROBE ID   PRESSURE   ROBE ID   PRESSURE   ROBE ID   PRESSURE   ROBE ID   ROBE I | W-15                    | W-15   | ROBE ID   PESCIE   (mWG)   (rocho   mwg)   (rocho   mwg)   (rocho   mwg)   (rocho   mwg)   (mwg)   (rocho   mwg)   (mwg)   (rocho   mwg)   (mwg)   (rocho   mwg)   (mwg)   (rocho   mwg)   ( |

|             | EQUIPMEN   | TUSED: Land               | ttec Gem seri                   | (Seri                     | al No <b>7252</b>   | 2)   |                                       |          |   | RIC (before): |                                       |             |
|-------------|--|---------------------------|---------------------------------|---------------------------|---|--|---------------------------------------|----------|---|---------------|---------------------------------------|-------------|
|             | DATE:  | IAN: <u>Ram</u><br>6/7/04 |                                 | _                         | DATE:   |  | · · · · · · · · · · · · · · · · · · · | -        | DATE:   |               |                                       |             |
|             | START TIM  | E: <u>/3/5</u><br>E:      |                                 | -<br>-                    | START TIM   | Æ;<br>Æ:                                       |                                       | <b>-</b> | START TIM<br>FINISH TIM   | E:<br>E:      |                                       | <del></del> |
|             | W-18 W-18 W-1M W-1D W-2A W2B W-38 W-3M W-3D W-4 W-5S W-5M W-5D W-6 W-7S W-7M W-7D W-8 W-9B W-10S W-10M W-10D W-11 W-12S W-12M W-12D W-13 W-14S W-14M W-14D  Monitoring I | දාර<br>GEM-500            | 0.0<br>0.0<br>0.0<br>0.0<br>0.0 | A, Sec<br>Compo<br>FED To | S-1A S-2B S-3S S-3M1 S-3M2 S-3D S-4 S-5 S-6S S-6M1 S-6M2 S-6D S-7 S-8 S-9S-R S-9M1-R S-9M2-R S-9M2-R S-91R S-11R S-112  monitoring : fion 1.3.1. 1 pund concern | is conducted in Prior to sample tration remain | n accordance ing each prol            | be is ev | E-1 E-2S E-2M E-2D E-3 E-4 E-5S E-5M E-5D E-6 E-7 E-8S E-8M E-8D E-10 E-11S-R E-11M-R E-11D-R E-11D-R E-14S E-14M E-14D | ule 1150.1, A | Attechment                            |             |
|             |  | * Subm                    | itted for lal                   | borato                    | ry analyse  | s.   |                                       |          |   |               |                                       | -           |
|             |  |                           |                                 | •                         |   |  |                                       |          | <del></del>   |               |                                       | -           |
| <del></del> |  |                           |                                 |                           |   |  |                                       | _        |   |               | · · · · · · · · · · · · · · · · · · · | -           |

| ART TIM<br>√ISH TIM | IAN: <u>Rand</u><br>6/8/04<br>E: [30:<br>E: [43  | on Ibam  | •              | · (I)   |  |  | BAROMET  | RIC (before): 2<br>RIC (after): 2  | 28.88   |
|---------------------|--|--|----------------|---|--|--|--|--|---|
| ART TIM<br>√ISH TIM |  |  | •              |   |  |  |  |  |   |
| ART TIM<br>√ISH TIM |  |  | •              |   |  |  |  |  |   |
| ART TIM<br>√ISH TIM |  |  | •              |   |  |  | DATE:  |  |   |
|                     | E: / 50  | <u>o</u>   |                |   |  | -  |  |  | •   |
|                     |  |  |                | START TIME:   |  |  | START TIME:  |  |   |
|                     | 17.0   |  |                | FINISH TIME:  |  |  | FINISH TIME:   |  |   |
|                     | STATIC   | 100  |                |   |  |  |  | STATIC   |   |
| KOBE LD             | The state of the s | 0.000  | PROBE          | D. BREAST RE  |  |  | PROBE 11   | r pressure   | ļ TO  |
|                     | (mwc)  |  |                | aje (criwc)   |  |  |  |  | l esci  |
|                     | <del> </del>   | _  | S-1A           |   |  |  | E-1  | 100  | 00  |
|                     | -  | <del> </del>   | S-2B           |   |  | ]  | E-2S   |  | 1   |
|                     | <del> </del>   |  | S-3S           |   |  | ]  | E-2M   |  |   |
|                     | -0.1   | 0.0  | S-3M1          |   |  |  | E-2D   |  |   |
|                     | <del></del>  |  | S-3M2          |   |  | -  | ·E-3   |  |   |
|                     | -0.2   | <del>                                     </del>   | S-3D           | <del> </del>  |  | <u>∦</u> ∤   | E-4  | -0.1   | 0.0   |
|                     |  |  | S-4            |   |  |  | E-5S   |  |   |
|                     | -0.4   | 10.0   |                | <del></del>   | <del> </del>   | .∥ ∥   | E-5M   |  |   |
|                     |  | +  |                | <del>- </del>   |  | 1 1  | E-5D   |  |   |
|                     |  | <del>  </del>  | 1              | _   |  | ∦  | E-6  |  |   |
|                     | - 0 9  |  |                |   | <u> </u>   | 4 1  | E-7  |  |   |
|                     | -0.7   | 10.0   |                | <del>- </del>   | <del> </del>   | 1 1  | E-8S   | <u> </u>   |   |
| W-7S                |  | <del> </del>   |                | <del> </del>  | <del>- </del> -  | 4 4  | E-8M   | -0.2   | 0.0   |
| W-7M                |  | <del> </del>   |                |   | <del> </del>   | 4  |  |  | ļ   |
| W-7D                | -0.8   | Del  | <u> </u>       | <del>-</del>  | ļ  | 1 1  |  | ļ  |   |
| W-8                 |  |  |                | <del> </del>  |  | 1 1  |  |  |   |
| W-9A                |  |  |                | <del> </del>  | <del> </del>   | {  |  |  |   |
| W-91B               |  |  |                |   | <del>                                     </del>   |  |  | 2/1  |   |
| V-10S               |  |  | S-11R          | <del> </del>  | <del> </del>   | 1 7  |  | $-oi\cdot i$   | 0.0   |
| ′-10M               | -0.6   | 0.0  | S-12           | 10.0  | 0.0  |  |  |  | <u> </u>  |
| /-10D               | -0.2   | 0.0  |                |   |  |  |  |  | ļ   |
| V-11                |  |  |                |   |  |  | E-14M  | -0.2   | 0.0   |
|                     |  |  |                |   |  | J  | E-14D  |  | 0.0   |
|                     |  |  |                |   |  |  |  |  | <u>رب. ر.</u>   |
|                     |  |  | ļ              |   |  |  |  |  |   |
|                     | - 0 (/   |  | <b></b>        |   |  |  |  |  |   |
| 14M                 | 0,4-   | 0.0  | <b> </b>       | <u> </u>  |  |  |  |  |   |
| ******              |  |  | <b> </b>       |   |  |  |  |  |   |
| -14D                | i i  |  |                | •   |  | 115  |  |  |   |
|                     | V-7M W-7D W-8 V-9A V-9B V-10S V-10D V-11 V-12S V-12S V-12M V-12H V-13 V-13 V-14S   | W-1M W-1D W-2A W-2B W-3S W-3S W-3M W-3D W-3D W-4 W-5S W-5M W-5D W-6 W-7S W-7M W-7D W-7S W-9A W-9B W-10S W-10D W-10D W-12S W-10D W-12S W-10S W-10D W-12S W-10S  W-1M W-1D W-2A | W-1S   W-1M   S-2B   S-3S   W-1D   W-2A   -0.1   0.0   S-3S   S-3M1   S-3M2   S-5   S-6S   S-6M1   S-6M2   S-6M1   S-6M2   S-6D   S-7   S-8   S-9S-R   S-9S-R   S-9M1-R   S-9M2-R   S-9M2-R   S-9M2-R   S-9M2-R   S-9M2-R   S-9M2-R   S-9M2-R   S-9M2-R   S-9M2-R   S-10R   S-11R   S-11R   S-12M   W-18 W-1M W-1D W-1D W-2A W-2A W-2B W-3S W-3S W-3S W-3S W-3M W-3B W-3B W-3B W-3B W-3B W-3B W-3B W-4 W-5D W-5D W-6 W-7S W-7S W-7S W-7D W-7D W-8 W-9A W-9A W-9B W-1D W-1D W-1D W-1D W-1D W-1D W-1D W-1D | W-18 W-1M W-1D W-1D W-2A W-2A W-2A W-2B W-3S W-3S W-3M W-3S W-3B W-3B W-5S W-5M W-5S W-5M W-5S W-5M W-7D W-6 W-7S W-7D W-7D W-7B W-8 W-9B W-9A W-9B W-10S W-10D W-10D W-10S W-10D W-12D W-12D W-13 W-12D W-13 W-14S W-14 | W-1S W-1M W-1D W-1D W-2A W-2A W-2A W-2A W-2B W-3S W-3S W-3M W-3M W-3D W-4 W-5D W-5D W-7S W-7M W-7D W-8 W-9A W-9A W-9A W-9B W-9B W-10S W-10 | W-1S   W-1M   S-1A   S-2B   E-2S   E-2M     W-1D   W-2A   -Q <sub>c</sub>   Q-Q   S-3M1   E-2D     W-3B   W-3S   W-3S   W-3S   W-3S     W-3B   -Q <sub>c</sub> \( \frac{1}{2} \) Q-Q   Q-Q   S-5   E-5M     W-4   W-5S   W-5S   W-5M   W-5D   -Q-Q   Q-Q     W-7S   W-6   S-7   E-8S     W-7B   W-7B   W-7D   -Q-S   Q-Q     W-8   W-9A   W-9A   W-9B   W-9B   W-10S   S-10R     W-10D   -Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q- | W-18   W-1M   S-2B   S-3B   E-2M   E-2S   E-2M   E-2D   W-2A   -0.1   0.0   S-3M1   E-2D   
# LEA Readings

| ATE: 6/8/05        | /               | Marty (LEA)  DATE:  |                    | DATE:  |                              |
|--------------------|-----------------|---|--------------------|--|------------------------------|
| TART TIME:         | 345<br>730      | START TIME:FINISH TIME:   |                    | START TIME:FINISH TIME:  |                              |
| STAI               |                 |   | iic la vocal       |  |                              |
| inw                |                 | PROBE ID PRIS   |                    | PROBE 10 PRO   |                              |
| W-18               |                 | S-1A  |                    | Accessed to the second control of the second |                              |
| W-1M               |                 | S-2B  |                    | E-1<br>E-2S  |                              |
| W-1D               |                 | S-3S  |                    | E-2S<br>E-2M   |                              |
| W-2A               |                 | S-3M1   |                    | E-2D   |                              |
| W2B                |                 | S-3M2   |                    | E-3  | <del></del>                  |
| W-3S               |                 | S-3D  |                    | E-4  | <del>  </del>                |
| W-3M               | 0.0             | S-4   |                    | E-5S   |                              |
| W-3D               | 0.0             | S-5   |                    | E-5M   |                              |
| W-4                |                 | S-6S  |                    | E-5D   |                              |
| W-5S               | 00              | S-6M1   |                    | E-6  |                              |
| W-5M<br>W-5D       | 00              | S-6M2   |                    | E-7  |                              |
| W-6                | 0.0             | S-6D  |                    | E-8S   |                              |
| W-7S               |                 | S-7   |                    | E-8M   |                              |
| W-7M               | 0.0             | S-8   |                    | E-8D   |                              |
| W-7D               | 0.0             | S-9S-R<br>S-9M1-R   | 00                 | E-9  |                              |
| W-8                |                 | S-9M2-R   | 0.0                | E-10   |                              |
| W-9A               |                 | S-9D-R  | 0.0                | E-11S-R  | <del>  </del>                |
| W-9B               |                 | S-10R   | 0.0                | E-11M-R<br>E-11D-R   | <del>  </del>                |
| W-10S              | 0.0             | S-11R   |                    | E-112  | <del></del>                  |
| W-10M              | 0.0             | S-12  | 0.0                | E-13   |                              |
| W-10D              | 0.0             |   |                    | E-14S  | <del></del>                  |
| W-11               |                 |   |                    | E-14M  |                              |
| W-12S              |                 |   |                    | E-14D  |                              |
| W-12M              |                 |   |                    |  |                              |
| W-12D<br>W-13      |                 |   |                    |  |                              |
| W-14S              |                 |   |                    |  |                              |
| V-14M              |                 |   |                    |  |                              |
| V-14D              | <del></del>     |   |                    |  |                              |
| nitoring Protocol: | A,              | robe monitoring is conduct, Section 1.3.1. Prior to sompound concentration re | ampling each probe | with SCAQMD Rule 1150 is evacuated until the To  | 0.1, Attachment otal Organic |
| unents: GEM        | I-500 CALIRRATE | ED TO 2.5% CH,  | Vanse:             | Marry -onsite  | LOCAL EDGWARME.<br>LEA       |

| EQUIPMEN                 | IT USED: Land                     | ttec Gem 500          | (Serial No.                  |                              | •               | B<br>B    | AROMETR<br>AROMETR         | IC (before) 25<br>IC (after): 2 | 8.92<br>8.91               |
|--------------------------|-----------------------------------|-----------------------|------------------------------|------------------------------|-----------------|-----------|----------------------------|---------------------------------|----------------------------|
| DATÉ:                    | 6/9/04                            |                       | DATE:                        |                              |                 | D         | ATE:                       |                                 | · · ·                      |
| START TIM                | Œ: <u>/3/5</u><br>Œ: <u>/34</u> / | 0                     | START TIME<br>FINISH TIME    |                              |                 |           | FART TIME<br>NISH TIME     |                                 |                            |
| PROBE LI<br>W-18         | STATIC<br>PERESSERI<br>(III)W(E)  | TOC<br>(?cCH)         |                              | PRESIDE<br>PRESIDE<br>LILIVE | TOP<br>POTE     |           | ROBE 170<br>E-1            | STATIC<br>PRESSURE<br>(in W.C.) | TOC<br>(%CH <sub>4</sub> ) |
| W-1M<br>W-1D<br>W-2A     | -0.1                              | 0.0                   | S-2B<br>S-3S<br>S-3M1        | 4/A                          | N/A.            | _         | E-2S<br>E-2M<br>E-2D       |                                 | ·                          |
| W2B<br>W-3\$<br>W-3M     | -0.3                              | 0,0                   | S-3M2<br>S-3D<br>S-4         |                              |                 |           | E-3<br>E-4<br>E-5S         |                                 |                            |
| W-3D .<br>W-4<br>W-5S    | 3-0.4                             | 0.0                   | S-5<br>S-6S<br>S-6M1         |                              |                 |           | E-5M<br>E-5D<br>E-6        |                                 |                            |
| W-5M<br>W-5D<br>W-6      | -0.5                              | 0.0                   | S-6M2<br>S-6D                |                              |                 |           | E-7<br>E-8S                |                                 |                            |
| W-7S<br>W-7M<br>W-7D     | 0.7                               |                       | S-7<br>S-8<br>S-9S-R         |                              |                 |           | E-8M<br>E-8D<br>E-9        |                                 |                            |
| W-8<br>W-9A              | -0.7                              | 0.0                   | S-9M1-R<br>S-9M2-R<br>S-9D-R |                              | ·               | JI        | E-10<br>E-11S-R<br>E-11M-R |                                 |                            |
| W-9B<br>W-10S<br>W-10M   | -0,6                              | 0,0                   | S-10R<br>S-11R<br>S-12       |                              |                 |           | E-11D-R<br>E-12<br>E-13    |                                 |                            |
| W-10D<br>W-11<br>W-12S   | -0./                              | 0.6                   |                              |                              |                 |           | E-14S<br>E-14M<br>E-14D    |                                 |                            |
| W-12M *<br>W-12D<br>W-13 |                                   |                       |                              |                              |                 |           |                            |                                 |                            |
| W-14S<br>W-14M<br>W-14D  |                                   |                       |                              |                              |                 |           |                            |                                 |                            |
| Ionitoring               | g Protocol:                       | A                     | robe monitoring i            | Prior to sampl               | ing each prob   | e is eva  | cuated unt                 | ule 1150.1, Ai                  | tachment<br>ganic          |
|                          | 9                                 | (J <b>)</b>           | Compound concen              | tration remain               | is constant for | r 30 seco | onds.                      |                                 | -                          |
| omments:                 | GEM-50                            | <b>&amp; CALIBRAT</b> | ED TO 2.5% CH                |                              |                 |           |                            |                                 | ·                          |

| CHNCL TE:   | AN: <u>Ramo</u><br>Co/10/04   | n B  | an   |                                       | ± •  |  | AND ADDRESS AND A SALE OF THE PARTY OF THE P |
|-------------|---|--|--|---------------------------------------|--|--|--|
| ART TIME    | 6/10/04   |  |  |                                       |  |  | BAROMETRIC (before): 28.98   |
| ART TIME    |   |  |  | DATE:                                 |  | · :  | DATE:  |
| Aron Invi   | 141<br>1430   | 6  | · ′  | START TIME                            |  |  | START TIME:FINIŞH TIME:  |
| OBE 1D      |   | Tipe   |  | PROBE LIN                             |  |  | FROBE LD PRESSURE CACH.  |
|             | (mWC)   |  |  |                                       | STATE OF THE PROPERTY OF THE P |  |  |
|             |   |  | 4  |                                       |  |  | E-1  |
|             |   |  | 1  | S-2B                                  | MIA  | N/A.   | E-2S   |
|             |   | <u> </u>   | -  |                                       |  | <b></b>                                      | E-2M   |
| <del></del> | 100   | 0.0  | 4  |                                       | · · · · · · · · · · · · · · · · · · ·  |  | E-2D   |
|             | <u> </u>  |  |  |                                       |  | <b> </b>                                     | E-3  |
|             |   | Sterion com  |  |                                       | ļ  | <b> </b>                                     | E-4  |
|             |   |  |  | 1                                     |  | <u>                                     </u> | E-5S   |
|             | 10.0  | 0,0  | 4  | S-5                                   | <u> </u>   | <b> </b>                                     | E-5M   |
|             |   |  | ╢.   |                                       | ļ  |  | E-5D   |
| <del></del> |   |  |  |                                       | · · · · · · · · · · · · · · · · · · ·  | <b> </b>                                     | E-6  |
|             | 1   | ļ- <u>-</u> -  |  |                                       | · · · · · · · · · · · · · · · · · · ·  | <u> </u>                                     | E-7  |
|             | -0-3  | 0,0  |  |                                       |  | ļI   | E-8S   |
|             |   |  | <b>∦</b> ∣   |                                       |  |  | E-8M   |
|             |   |  | <b>↓</b>   |                                       |  |  | E-8D   |
|             |   |  |  | · · · · · · · · · · · · · · · · · · · |  | <b> </b>                                     | E-9  |
| <del></del> | 10.0  | 0.0  | 4  |                                       |  |  | E-10   |
|             |   | -  | 4  |                                       |  |  | E-11S-R  |
|             |   |  |  | · · · · · · · · · · · · · · · · · · · |  | ļ  | E-11M-R  |
|             |   |  |  |                                       |  | <u> </u>                                     | E-11D-R  |
|             | / 2 2   |  |  |                                       |  |  | E-12   |
|             |   | <del></del>  |  | S-12                                  |  |  | E-13   |
|             | 40.0  | 0.0  | <b>!</b>   |                                       |  |  | E-148  |
|             | <del></del>   | <del> </del>   | <u> </u>   |                                       |  |  | E-14M  |
| -           |   | ļ  | ∦ ∣  |                                       | <u> </u>   | <b> </b>                                     | E-14D  |
|             |   | <del> </del>   |  | <del>, ,</del>                        |  |  |  |
|             | ······································  | <u> </u>   | ∦ ∦  | -                                     |  | <del>-,</del>                                | <b> </b>   |
|             |   | <u> </u>   | <u> </u>   |                                       | - 4 4  |  |  |
|             |   |  |  | <del></del>                           |  | <u> </u>                                     |  |
|             |   | <del>                                     </del>   |  |                                       |  | <b> </b>                                     |  |
| W-14D       |   | <u></u>  | IJ [   |                                       |  |  | L L  |
|             | W-1S W-1M W-1D W-2A W2B W-3S W-3M W-3D W-4 W-5S W-5M W-5D W-6 W-7S W-7M W-7D W-8 W-9B W-10S W-10M W-10D W-11 W-12S W-12D W-13 W-14S W-14M | ORE 1D. PRESSORE (IL W.C.) W-1S W-1M W-1D W-2A W2B W-3S W-3S W-3M W-0-O W-4 W-5S W-5M W-5S W-5M W-7S W-7S W-7N W-7D W-8 W-9A W-9A W-9B W-10S W-10D W-10D W-11 W-12S W-12D W-13 W-14S | ORE (D) PRESSURE (LERG) W-1S W-1M W-1M W-1D W-2A FOO O.O W2B W3S W3M FOO O.D W-4 W-5S W-5M W-7S W-7S W-7M W-7D FOO O-O W-8 W-9A W-9B W-10S W-10D FOO O.D W-11 W-12S W-12M W-12D W-13 W-14S | W-15                                  | W-15   | S-1A   | Cold      |

|                         | IAN: <u>Ra</u>                                   |                 | Than       | r                         | .:                          |               |         | BAROMETR     | IC (before): 2<br>IC (after): 22 | 9.94                               |  |
|-------------------------|--|-----------------|------------|---------------------------|-----------------------------|---------------|---------|--------------|----------------------------------|------------------------------------|--|
| DATÉ:                   | 6/11/04  |                 | -          | DATE:                     | · · · · · ·                 | ·             |         | DATE:        |                                  |                                    |  |
| START TIM<br>FINISH TIM | E / 250<br>E / 400                               | 2               | <u>-</u>   | START TIMI<br>FINISH TIMI |                             |               |         | START TIME:  |                                  |                                    |  |
| PROBE LD                | STATIC<br>PRESSURE<br>(BWC)                      | TOC<br>(°aCHa)  |            | PROBE LO                  | SLATI<br>PRUSSIAS<br>CHIVIC | TOC<br>COCH)  |         | PROBE ID     | STATIC<br>PRESSURE<br>(in W.C.)  | то <i>с</i><br>(%СН <sub>4</sub> ) |  |
| W-1S                    |  |                 | ]          | S-1A                      | NA                          | NA            | 1       | E-1          | +0.0                             | 0.0                                |  |
| W-1M<br>W-1D            | <del> </del>                                     | -               | -          | S-2B<br>S-3S              | MIA                         | N/A.          |         | E-2S         | <del> </del>                     |                                    |  |
| W-2A                    | +0.0   | 00              | -          | S-3M1                     | <u> </u>                    | <u> </u>      |         | E-2M<br>E-2D |                                  |                                    |  |
| W2B                     | ,  | <u> </u>        | ╣ .        | S-3M2                     |                             |               |         | E-2D         |                                  |                                    |  |
| W-38                    |  |                 | 1          | S-3D                      |                             |               |         | E-4          | -0.1                             | 0.0                                |  |
| W-3M                    | 10.0   | 00              | ]          | S-4                       | +0.0                        | 10.0          | 1       | E-5S         |                                  |                                    |  |
| W-3D                    | 400  | 0.0             | ] -        | S-5                       |                             |               |         | E-5M         |                                  |                                    |  |
| W-4                     | '  | .=              | 1          | S-6S                      |                             |               |         | E-5D         | ·                                | ,                                  |  |
| W-58                    | <u> </u>   | ļ               | 1          | S-6M1                     | ,                           |               |         | E-6          |                                  |                                    |  |
| W-5M                    | -  | -               | 4          | S-6M2                     | · · ·                       | · ·           |         | E-7          |                                  |                                    |  |
| W-5D                    | -0.1   | 00              | 4          | \$-6D                     |                             |               |         | E-8S         | , =                              |                                    |  |
| W-6<br>W-78             | · · · · · · · · · · · · · · · · · · ·            |                 | -          | S-7                       | <u> </u>                    |               | -       | E-8M         | -0,3                             | 00                                 |  |
| W-78<br>W-7M            | <del>                                     </del> | <del> </del>    | 4          | S-8<br>S-9S-R             | 1                           | <u> </u>      | [ ]     | E-8D         |                                  |                                    |  |
| W-7D                    | -0,/   | 0.0             | -          | S-98-R<br>S-9M1-R         |                             |               |         | E-9<br>E-10  |                                  |                                    |  |
| W-8                     | <del> </del>                                     |                 | 1          | S-9M2-R                   | <u> </u>                    |               |         | E-11S-R      |                                  | <del> </del>                       |  |
| W-9A                    |  |                 | 1          | S-9D-R                    | 1                           |               |         | E-11M-R      |                                  |                                    |  |
| W-9B                    |  |                 |            | S-10R                     | 1                           |               |         | E-11D-R      | -0.4                             | 00                                 |  |
| W-10S                   |  |                 | ]          | S-11R                     | 1000                        | 000           | 7       | E-12         |                                  |                                    |  |
| W-10M                   | 10.0   | 0.0             | ]          | S-12                      | +0.0                        | 0.0           |         | E-13         |                                  |                                    |  |
| W-10D                   | 10.0   | 0.0             |            |                           |                             |               |         | E-14S        |                                  |                                    |  |
| W-11                    |  |                 | 4          |                           |                             |               |         | - E-14M      | to.0                             | 0.0                                |  |
| W-12S                   |  |                 | <b>∥</b> ∣ |                           |                             |               |         | E-14D        | +0.0                             | 0-0                                |  |
| W-12M "                 | <u> </u>   |                 | 4          |                           |                             | <u></u>       |         |              |                                  |                                    |  |
| W-12D                   | <u> </u>   | <u>.</u>        | 4          | <u> </u>                  |                             |               |         |              |                                  |                                    |  |
| W-13<br>W-148           | _ ^ 2  | A               | ╢          |                           |                             |               |         |              |                                  |                                    |  |
| W-148<br>W-14M          | -0,2   | 0.0             | ╢ · ┃      | <del></del>               |                             | ·             |         |              |                                  |                                    |  |
| W-14D                   |  |                 | 1 1        | <del></del>               |                             |               | 1       |              |                                  |                                    |  |
| lonitoring              | Protocol:  |                 | A, Se      | ction 1.3.1.              |                             | ing each prol | oe is e | vacuated unt | ule 1150.1, A                    |                                    |  |
| Comments:               | Сем-50   | 00<br>0 CALIBRA | ATED :     | ГО 2.5% CH                | 4                           |               |         |              |                                  | 1                                  |  |
| •                       |  |                 |            | ory analys                | ·                           |               |         |              |                                  |                                    |  |

| EQUIPME        | NT USED: Land  | ttec Gem 500                                     | (Serial No. 7406)  | BAROMETRIC (before): 28.92 BAROMETRIC (after): 28.92 |
|----------------|--|--|--|--|
| TECHNO         | CIAN: <u>Kam</u>   | ion Ibo  | in   | DANOMETRIC (and): 20.12                              |
| DATE:          | 6/14/04  | <u>-</u>   | DATE:  | DATE:  |
| START TI       | ME: /25<br>ME: /3  | 0<br>15  | START TIME:FINISH TIME:  | START TIME:FINISH TIME:                              |
|                | STATIC   |  |  | E STATE STATE  |
| PROBE I        | The Property of the Control of the C | TOC<br>Cocho                                     | PROBE-IO. PRISH RE   |  |
|                | (m.W.C.)   |  | Water Transfer of the Control of the | TABLE LEVEL CONTROL CONTROL                          |
| · W-18         |  |  | S-1A .   | E-1  |
| W-1M           | <del>-</del>   | <u> </u>   | S-2B   | E-2S   |
| W-1D           | <del></del>  | <u> </u>   | S-3S   | E-2M   |
| W-2A           | +0,0   | 000  | S-3M1  | E-2D   |
| W2B            | <del>- </del>  | <b> </b>   | S-3M2  | E-3  |
| W-3S<br>- W-3M | <del>                                     </del>   | <del>                                     </del> | S-3D   | E-4  |
| - W-3M<br>W-3D | +0.0   | 0.0  | S-4  | E-5S   |
| W-4            | +0.0   | 0.0  | S-5  | E-5M   |
| W-5S           | <del>                                     </del>   | <del> </del>                                     | \$-68  | E-5D   |
| W-5M           | <del></del>  | <del> </del>                                     | S-6M1  | E-6  |
| W-5D           | -0,1   | 0.0  | S-6M2  | E-7  |
| W-6            | - 011  | 0.0  | S-6D   | E-8S   |
| W-7S           |  | <del> </del>                                     | S-7  | E-8M   |
| W-7M           |  |  | S-8<br>S-9S-R  | E-8D   |
| W-7D           | +0.0   | 0-0  | S-9M1-R  | E-9  |
| W-8            |  |  | S-9M2-R  | E-10   |
| W-9A           |  |  | S-9D-R   | E-11S-R  |
| W-9B           | ·  |  | S-10R  | E-11M-R  |
| W-10S          |  |  | S-11R  | E-11D-R<br>E-12                                      |
| W-10M          | +0,1   | 0.0  | S-12   | E-12<br>E-13   |
| W-10D          | +00  | 0.0  |  | E-14S  |
| W-11           |  |  |  | E-14M  |
| W-12S          |  |  |  | E-14D  |
| W-12M          | <del> </del>   |  |  | 1 1  |
| W-12D          | <b> </b>   |  |  |  |
| W-13           |  |  |  |  |
| W-14S          | <del>   </del>   |  |  |  |
| W-14M<br>W-14D | <del>  </del>  |  |  |  |
| 1onitoring     | Protocol:  | P  | robe monitoring is conducted in accordance   | e with SCAQMD Rule 1150.1, Attachment                |
|                | _  | C  | , Section 1.3.1. Prior to sampling each pro<br>ompound concentration remains constant for  | the is evacuated until the Total Organia             |
| omments:       |  | CALIBRAT   | ED TO 2.5% CH,   |  |
|                | * Subm   | tted for lab                                     | oratory analyses.  |  |
|                |  |  |  |  |

| · ·         |                | VT USED: Lar                       | _             | (Seri  | ial No.7406             | )  |  |          | BAROMETT                    | RIC (before): 2                | P.84<br>E. ED                                |
|-------------|----------------|------------------------------------|---------------|--------|-------------------------|--|--|----------|-----------------------------|--------------------------------|--|
| )           | TECHNO         | IAN: <u>Ran</u>                    | non I         | an     | v-                      |  |  |          | BAROMETI                    | CIC (alter): <                 | 8180   |
|             | DATE:          | 6/15/0                             | ron I         |        | DATE:                   |  |  | ·-       | DATE:                       |                                | ·  |
|             | START TIM      | E: <u>  3  </u><br>E: <u>  5 6</u> | 15            |        | START TIM<br>FINISH TIM |  |  | <u> </u> | START TIM<br>FINISH TIM     |                                |  |
|             |                | STATE                              |               | ī      |                         |  |  | ### F    | TOTAL STATE OF THE STATE OF | a hashakaskanssa               | Peni Panancan Granis in Ass                  |
|             | PROBE LD       |                                    |               |        |                         | S AUG<br>PRISSING<br>(G W.C)                         |  |          |                             | SI APIC<br>PRESSIRE<br>On W.G. |  |
|             | W-1S           |                                    |               | ]      | S-1A                    |  |  | ر ا      | E-1                         | -01                            | 00   |
|             | W-1M           | <del> </del>                       |               | 1      | S-2B                    |  |  |          | E-2S                        |                                | 1  |
| i           | W-1D           | 1                                  |               |        | S-3S                    |  |  | ]        | E-2M                        |                                |  |
| 0           | W-2A           | +0.12                              | 0-0           |        | S-3M1                   | ļ  | <u> </u>   | _        | E-2D                        |                                |  |
|             | W2B            | <del> </del>                       |               |        | S-3M2                   | <u> </u>   |  |          | E-3                         |                                |  |
| - [         | W-3S<br>W-3M   | 700                                | -             |        | S-3D                    | <del> </del>   | <del> </del>                                     | <b>⋰</b> | E-4                         | 40.0                           | 0.0  |
| 1           | W-3IVI         | 100                                | 0.0           |        | S-4                     |  | <u> </u>   | 4        | E-5S                        |                                |  |
|             | W-4 s          | +0.0                               | 0.0           |        | S-5                     | <del>                                     </del>     | <del> </del>                                     | -        | E-5M                        | <u> </u>                       |  |
| ļ           | W-5S           | <del> </del>                       | <del></del>   |        | S-6S<br>S-6M1           | <del>- </del>  | <del> </del> -                                   | -        | E-5D                        |                                |  |
| ĺ           | W-5M           |                                    | <del>-</del>  |        | S-6M2                   | <del> </del>   | ·  | -   '    | E-6                         |                                | <u> </u>                                     |
|             | - W-5D         | -01/                               | 00            |        | S-6D                    | <del> </del>   | <del> </del>                                     | -        | E-7                         | <del></del>                    |  |
|             | W-6            |                                    | 1-0-0-        | l      | S-7                     | <del> </del>   | <del> </del>                                     | -        | E-8S                        |                                |  |
| ĺ           | W-7S           |                                    |               |        | S-8                     | 1  | <del> </del>                                     | - 4      | E-8M<br>E-8D                | -06                            | 100  |
|             | W-7M           |                                    |               | ļ      | S-9S-R                  | <del> </del>   | <del>                                     </del> | ╢        | E-9                         |                                |  |
| $\parallel$ | - W-7D         | +0.0                               | 0.0           |        | S-9M1-R                 |  |  | 1 1      | E-10                        | <del></del>                    | -  |
| ۱           | W-8            |                                    |               |        | S-9M2-R                 |  |  | 1        | E-11S-R                     |                                | 1  |
| I           | W-9A           |                                    |               |        | S-9D-R                  |  |  | 1        | E-11M-R                     | <del></del>                    | <del> </del>                                 |
| ŀ           | W-9B           |                                    |               |        | S-10R                   |  |  | 1 4      | E-11D-R                     | t0:0                           | 00   |
| ╟           | W-10S          |                                    |               |        | S-11R                   |  |  |          | E-12                        |                                |  |
| ľ           | W-10M          | 10.0                               | 0,0           | -      | S-12                    | 10.0   | 0.0  | ]        | E-13                        |                                | 1  |
| ŀ           | W-10D          | +0.0                               | 0.0           |        |                         |  |  | ]        | E-14S                       | 10.0                           | 0.0  |
| ╟           | W-11           |                                    | <del> </del>  |        |                         |  |  | 4        | E-14M                       | 10,0                           | 0.0  |
| ╟           | W-12S<br>W-12M | <u> </u>                           | <del> </del>  | ŀ      |                         |  |  |          | E-14D                       | +02                            | 148  |
| ŀ           | W-12D          |                                    | <del> </del>  |        |                         |  |  |          |                             |                                | 16.8   |
| t           | W-13           |                                    | <del>  </del> |        |                         |  |  |          |                             | ····                           | <u>                                     </u> |
| F           |                | -10,2                              | 00            |        |                         |  |  |          |                             |                                | <b> </b>                                     |
| Г           | W-14M          |                                    |               |        |                         |  | · ·  |          |                             | ·                              | <b>  </b>                                    |
|             | W-14D          |                                    |               | ľ      |                         |  |  |          | <del></del>                 |                                |  |
| N           | Ionitoring     | Protocol:                          | · •           | i, Sec | mon 1.3.1, 1            | is conducted in<br>Prior to sample<br>tration remain | ing each pro                                     | be is ev | vacuated unt                | ule 1150.1, A                  | Lttachment<br>rganic                         |
| c           | omments:       | 22<br>GEM-59<br>* Subn             | CALIBRAT      | ED T   | O 2.5% CH               | ı  |  |          |                             | ****                           |  |
| _           |                |                                    |               |        |                         | · · · · · · · · · · · · · · · · · · ·                |  |          |                             |                                | · · · · · · · · · · · · · · · · · · ·        |

| ATE:   | TUSED: Lands IAN: Ram  6/16/0 | 4            |          | DATE:                      |                     | ·                |         | DATE:                     |  | •  |
|--|-------------------------------|--------------|----------|----------------------------|---------------------|------------------|---------|---------------------------|--|--|
|  | E: /257<br>E: /33:            |              |          | START TIME<br>FINISH TIME  | ):                  | ,                | -<br>-  | START TIME<br>FINISH TIME |  |  |
|  | STATE                         | 100          | 7        |                            | SY ATIC             | 100              |         |                           | STATIC   |  |
| 4 No. 10 10 10 10 10 10 10 10 10 10 10 10 10 | PRESSURE<br>(m/V/C)           | (%CH)        |          | PROBE ID.                  | PRUSTIRE<br>In W.C. | a distriction of |         | PROBE ID                  | PRESSURE   | TOC<br>(%CH <sub>4</sub> )                       |
| 79-10-10                                     |                               |              | 4        |                            |                     |                  | 4       |                           | (in.W.C.)  |  |
| W-1S<br>W-1M                                 |                               | <del> </del> | -        | S-1A                       | NA                  | NA               | 4       | E-1                       | ·  | -  |
| W-1D   | +                             |              | 1        | S-2B<br>S-3S               | 7/17                | N/A.             | -       | E-2S<br>E-2M              | +  |  |
| W-2A   | 702                           | 0.0          | 1        | S-3M1                      | <del> </del>        | +                | -       | E-21VI                    | <del> </del>                                     |  |
| W2B  |                               |              | 1        | S-3M2                      |                     | <u> </u>         | 1       | E-3                       |  |  |
| W-3S   | ٠,                            |              | 1        | S-3D                       | İ                   | 1                | 1       | E-4                       | 1  | <del></del>                                      |
| W-3M   | +00                           | 0.0          | <b> </b> | S-4                        | 1                   | 1.               | ┨ -     | E-5S                      | T  | 1  |
| W-3D   | 3-0,2                         | 10.0         | ]        | S-5                        |                     |                  | 1       | E-5M                      |  |  |
| W-4  |                               |              | ]        | S-6S                       |                     |                  | ]       | E-5D                      |  |  |
| W-55   |                               |              |          | S-6M1                      | ,                   |                  | ]       | E-6                       |  |  |
| W-5M   |                               |              |          | S-6M2                      |                     |                  |         | E-7                       |  |  |
| W-5D   | <del> </del>                  | 00           | 1        | S-6D                       |                     |                  | .       | E-8S                      | <u> </u>   |  |
| W-6  |                               |              |          | S-7                        |                     |                  | 4       | E-8M                      | <u> </u>   | <u> </u>   |
| W-7S   |                               |              |          | S-8                        |                     | <del> </del>     | ╢       | E-8D                      | ļ <del></del>                                    |  |
| W-7M<br>W-7D                                 | -0,7-                         | <i>(</i> 0 0 | ╢        | S-9S-R                     |                     | <del> </del>     | ╢.      | E-9                       |  |  |
| W-8  | -0,6                          | 0.0          |          | S-9M1-R<br>S-9M2-R         |                     |                  |         | E-10                      | <del>                                     </del> | <del> </del>                                     |
| W-9A   | †···                          |              |          | S-91/12-R<br>S-9D-R        |                     | <del> </del>     | ╢       | E-11S-R<br>E-11M-R        | , **   | <del> </del>                                     |
| W-9B   |                               |              |          | S-10R                      |                     |                  | -       | E-11D-R                   |  |  |
| W-10S  |                               |              |          | S-11R                      |                     |                  | 1.      | E-12                      | <del> </del>                                     | <del>                                     </del> |
| W-10M  | -0.5                          | 0.0          |          | S-12                       |                     |                  | 1       | E-13                      |  |  |
| W-10D.                                       | # 00.1                        | 00           |          |                            |                     |                  | 1 .     | E-148                     |  |  |
| W-11   | (R)                           |              |          |                            |                     |                  | ] _     | E-14M                     | 10.0   | 0.0  |
| W-12S  |                               |              |          |                            |                     |                  | ] _     | E-14D                     | -0.5   | 0.0  |
| W-12M "                                      | <u>}</u>                      |              |          |                            |                     |                  |         |                           |  |  |
| W-12D  |                               |              |          |                            |                     |                  |         |                           |  | ļ  |
| W-13   |                               |              |          |                            |                     |                  |         |                           |  |  |
| W-14S  | <del> </del>                  |              | .        |                            |                     |                  |         |                           | ļ  | ļ  |
| W-14M<br>W-14D                               |                               |              |          |                            |                     | -                |         |                           |  | <del> </del>                                     |
| - · · · · · · · · · · · · · · · · · · ·      | ; Protocol:                   |              | A, Se    | ction 1.3.1.               |                     | ling each pro    | be iš e | evacuated un              | Rule 1150.1, A                                   |  |
| nments;                                      |                               |              | TED      | ro 2.5% CH<br>tory analyse | 4                   | us constant I    | OI 3U 8 | sconds.                   |  |  |

| START TIME   | DATE:                       | 17/0                                  | 4  | DATE:   |                                       |               | ٠.      | DATE:  |              |               |
|--|-----------------------------|---------------------------------------|--|---|---------------------------------------|---------------|---------|--|--------------|---------------|
| PRISSIDE   COUNTY   | TART TIME:_<br>INISH TIME:_ | 1310                                  | •  | START TIME<br>FINISH TIME                       | 0:<br>0:                              |               |         | START TIME                                   | ·            |               |
| ROBE 1D   RRISSIRE   (*6'GH)   |                             |                                       |  |   | STATE                                 |               |         |  | SHATHG       |               |
| S-1A   A   A   A   A   A   A   A   A   A   | ROBE LD.                    |                                       |  | PROBE AD  | ERISSIRE                              |               |         | PROBE ID.                                    | PRESSURE     | 1 3 3 3 3 3 3 |
| W-1M   W-1D   W-2A   F6-2   O.O   W-2B   S-3B   S-3M1   S-3M2   E-2D   E-3   E-2D   W-3M   O. / O.O   S-4   S-5   E-4   E-5S   E-5M   E-4   E-5S   E-5M   E-4   E-5S   E-5M   E-5D   E-6   E-6   E-7   E-8S   E-5D    W-1S                        |                                       |  |   |                                       | 11/14         |         | FAZA 3535-51-23182                           |              |               |
| W-1D   | W-1M                        |                                       |  |   |                                       |               |         | ( <del> </del>                               |              | <del></del>   |
| W2B   S3M2   S3M2   S4   S-5   W-1D                        |                                       |  | S-3S  |                                       |               |         | ]  |              | · · ·         |
| W-38   W-3M   -0,   D-O   S-3D   S-3D   E-4   E-5S   E-5M   E-5D   E-5S   E-5M   E-5D   E-5S   E-5M   E-5D   E-5 | W-2A                        | FÓ-2                                  | 0.0  | S-3M1   | ·.                                    |               |         | E-2D   |              | <u> </u>      |
| W-3M   |                             | ,                                     |  | S-3M2   |                                       |               |         | E-3  |              |               |
| W-3D   Pobe monitoring   Seconds   W-14M   W-14D   |                             | •                                     |  | S-3D  |                                       |               |         | E-4  |              |               |
| W-4   W-5S   S-6M   S-6D   S-7   S-8   S-8M   S-9M   S-10R   S-11R   S-11R   S-12   S-12   S-13   S-14    |                             |                                       |  | \$-4  |                                       |               | ĺ       | E-5S   |              |               |
| W-58   |                             | -0.2                                  | 0.0  |   |                                       |               |         | E-5M   |              |               |
| W-5M   | <del></del>                 |                                       | <del> </del>                                     |   | ļ                                     |               | ]       | Į <del> </del>                               |              | <u> </u>      |
| W-5D   |                             |                                       | ļ  |   | <u> </u>                              |               |         |  |              |               |
| S-7   S-8   S-9N   S-8   S-9S-R   S-9M   S-10R   S-11R   S-12   S-12   S-13   S-14M                               | - 0 /                                 |  |   | ·                                     |               | ļ ·     |  |              |               |
| W-78   S-8   S-98-R   S-9M1-R   S-9M1-R   S-9M1-R   S-9M1-R   S-9M2-R   S-9M1-R   S-9M2-R   S- |                             | 0,6                                   | 00   |   | <u> </u>                              | <del> </del>  |         | I  |              |               |
| W-7M   |                             | · · · · · · · · · · · · · · · · · · · | <del>  </del>                                    | <del>                                    </del> |                                       | <del> </del>  |         | 1  | <del></del>  |               |
| N-7D   |                             |                                       | <del>                                     </del> |   |                                       | <del> </del>  | ļ.,     | 11   |              |               |
| W-8   W-9A   W-9A   S-9M2-R   S-9D-R   S-10R   E-11S-R   E-11D-R   W-10B   S-11R   S-11R   S-12   E-13   E-14S   E-14M   E-14D   W-12D   W-13   W-14S   W-14M   W-14D   W-14D   W-14D   W-14D   W-15D   W-16D   W-16 |                             | 0.6                                   | 0.0  | ( <del> </del>                                  | · · · · · · · · · · · · · · · · · · · |               |         |  |              |               |
| W-9A W-9B W-10S W-10M W-10D W-11 W-12S W-12D W-13 W-14S W-14S W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   |                             | <u> </u>                              | 1000   |   |                                       |               |         |  | <u> </u>     |               |
| W-9B W-10S W-10M W-10M W-10D W-11 W-12S W-12D W-13 W-14S W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  | W-9A                        | <del>,</del>                          |  |   |                                       |               |         | <u>                                     </u> |              | <del> </del>  |
| W-10M -0.5 Q.0 W-10D -0.2 Q.0 W-11 W-12S W-12M W-13 W-14S W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   | W-9B                        |                                       |  | S-10R   | ·                                     |               |         | l <del> </del>                               |              | <del> </del>  |
| W-10D -0, 2 0.0 W-11 W-12S W-12M W-12D W-13 W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   | W-10S                       |                                       |  | S-11R   |                                       |               |         | E-12   |              |               |
| W-12N W-12D W-13 W-14S W-14S W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  | W-10M -                     | -0.5                                  | 0.0  | S-12  |                                       |               |         | E-13   |              | ,             |
| W-12S W-12M W-12D W-13 W-14S W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  | W-10D -                     | 0,2                                   | 00   |   |                                       |               |         | E-14S  |              |               |
| W-12D W-13 W-14S W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  | W-11                        |                                       |  |   | 4                                     |               |         | E-14M  |              |               |
| W-12D W-13 W-14S W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  |                             |                                       |  | ,   |                                       |               |         | E-14D  |              |               |
| W-14S W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   |                             |                                       |  |   | ·                                     |               |         |  |              |               |
| W-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   |                             |                                       | <u> </u>   |   |                                       |               |         | <u></u>                                      |              |               |
| w-14M W-14D  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   |                             |                                       |  | <u> </u>  |                                       |               |         |  |              |               |
| w-14D  Onitoring Protocol:  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  |                             |                                       |  | .   |                                       |               |         | ļ <u> </u>                                   | ·            | <u> </u>      |
| onitoring Protocol:  Probe monitoring is conducted in accordance with SCAQMD Rule 1150.1, Attachment A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.   |                             |                                       | <del>,</del>                                     |   | · · · · · · · · · · · · · · · · · · · |               |         |  |              |               |
| A, Section 1.3.1. Prior to sampling each probe is evacuated until the Total Organic Compound concentration remains constant for 30 seconds.  |                             | rotocol:                              | Pr   | ohe monitoring                                  | is conducted in                       | accordance    | with    | SCAOMO P                                     | nla 1150 1 A | ttachmant     |
|  |                             |                                       | A,   | Section 1.3.1. 1                                | Prior to sampl                        | ing each prot | oe iš e | evacuated unt                                |              |               |
|  | mments:                     |                                       |  | ED TO 2.5% CFI                                  |                                       |               |         |  |              | 1             |

| CIAN: No. 6 (18 (01  AE: (19 00  AE: (19 0   | A Co.          |   | START TIM<br>FINISH TIM                                   | Œ:   |  | I   | FINISH TIM  | E: 14'37' 0 E: 15' 0 E: 15' 0 E: 15' 0 | O Toc  |
|--|----------------|---|---|--|--|---|---|--|--|
| STATIC<br>DESCRIPTION CONTROL OF THE PROPERTY OF | ND<br>ND<br>ND | - 医三角 医三角 医三角 医三角 医三角 医三角 医三角 医三角 医三角 医三角 | FINISH TIME TROBE AND S-1A S-2B S-3S S-3M1 S-3M2 S-3D S-4 | E:<br>STATIC                                   |  |   | PROBLEM 100  E-1  E-2S  E-2M  E-2D                    | E: 1.7' 0 E: 1.7' 0 E: 1.7' 0          | O TOC  |
| +.2  | WD NO          |   | S-1A<br>S-2B<br>S-3S<br>S-3M1<br>S-3M2<br>S-3D<br>S-4     | PRIASTRI                                       |  | (Castile-spinese)                                     | E-1<br>E-2S<br>E-2M<br>E-2D                           | PRESSURE<br>(In W.C.)                  | (ZCib)   |
| + <del>0</del> -   | NO             |   | S-2B<br>S-3S<br>S-3M1<br>S-3M2<br>S-3D<br>S-4             |  |  | 844   | E-1<br>E-2S<br>E-2M<br>E-2D                           |  |  |
| + <del>0</del> -   | NO             |   | S-2B<br>S-3S<br>S-3M1<br>S-3M2<br>S-3D<br>S-4             |  |  |   | E-2S<br>E-2M<br>E-2D                                  |  | ДИ   |
| + <del>0</del> -   | NO             |   | S-3S<br>S-3M1<br>S-3M2<br>S-3D<br>S-4                     |  |  |   | E-2M<br>E-2D  |  |  |
| + <del>0</del> -   | NO             |   | S-3M1<br>S-3M2<br>S-3D<br>S-4                             |  |  |   | E-2D  |  | <del> </del>   |
| -8-  |                |   | S-3D<br>S-4   |  |  |   |   | <del> </del>                           |  |
| -8-  |                |   | S-3D<br>S-4   |  |  | ╠   |   |  |  |
| -8-  |                |   | 1)  |  |  |   | E-4   |  | <del></del>  |
|  | N.0            | 1   | S-5   |  |  | <br>  | E-5S  |  | <del> </del>   |
|  |                | 7   |   |  |  |   | E-5M  |  | <del> </del>   |
|  |                | <b>⊒</b> II                               | S-6S  |  |  | -   | E-5D  | <u> </u>                               | <del>                                     </del>   |
|  |                | ╛   | S-6M1   |  |  |   | E-6   |  | <del> </del>   |
|  | _              | ]   | S-6M2   |  |  | ∦   | E-7   |  | 1  |
| +.2  | NO             | 1   | S-6D  |  |  |   | E-8S  |  |  |
|  |                |   | S-7   |  |  | ļ   | E-8M  |  | ND   |
| ļ  |                | 1   | S-8   |  |  |   | E-8D  |  | 1412   |
| <del> </del>   |                | 4   | S-9S-R  |  |  |   | E-9   |  |  |
|  | h D            | 1   | S-9M1-R   |  |  |   | E-10  |  |  |
|  | <b>-</b>       | 4   | S-9M2-R   |  |  |   | E-11S-R   |  |  |
|  | <del> </del>   |   | S-9D-R  | ļ <u>.</u>                                     |  |   | E-11M-R   | <b>-</b>                               | ND   |
|  | ·              |   | S-10R   | <u> </u>                                       |  |   | E-11D-R   |  |  |
|  |                | 1   | S-11R   |  |  |   | E-12  |  |  |
|  |                | 1 1                                       | S-12  | + 01   | ND   |   | E-13  |  |  |
|  | 100            |   |   |  |  |   | E-14S   |  |  |
|  | <del> </del>   |   | <u> </u>  |  | <u>  </u>  | <u> </u>  | E-14M   | <del>-0</del> -                        | ND   |
|  |                |   | <del></del>   |  | <b> </b>   | ]   | E-14D   | - 0                                    | ND   |
|  |                |   |   |  |  |   |   |  |  |
|  |                |   |   |  | <b></b>  | <u> </u> _  |   |  |  |
|  | <del> </del>   |   | · · · · · · · · · · · · · · · · · · ·                     |  | <del> </del>                                       |   |   |  |  |
|  |                |   |   |  | <del>  </del>                                      |   |   |  |  |
|  | 1              | 1 1                                       |   | <del></del>                                    | 1 (1   | - 11  |   |  |  |
|  | , l            | <b>₩</b> 9                                | <i>⊕ №</i> 0  | S-9S-R S-9M1-R S-9M2-R S-9D-R S-10R S-11R S-12 | S-98-R S-9M1-R S-9M2-R S-9D-R S-10R S-11R S-12 + 3 | S-9S-R S-9M1-R S-9M2-R S-9D-R S-10R S-11R S-12 + 1 ND | S-9S-R S-9M1-R S-9M2-R S-9D-R S-10R S-11R S-12 + 1 ND | S-9S-R   E-9   E-10                    | S-8 S-9S-R S-9M1-R S-9M2-R S-9D-R S-10R S-11R S-11R S-12 S-12 S-12 S-14S E-14M S-14M |

# Daily Readins .

| TECHNO         | TAN                | idlec Gem 500          | (Serial No. 740C)  Bane  DATE:   |                | BAROMETRIC (before): '2B. BAROMETRIC (after): 2B.  | 95<br>93    |
|----------------|--------------------|------------------------|--|----------------|--|-------------|
| DATE:          | 6/21/0             | 4                      | DATE.  |                | DATE.  |             |
|                |                    |                        | D711B.   |                | DATE:  |             |
| START TIM      | E: 13:50           | ·                      | START TIME:  |                | START TIME:  |             |
| FINISH TIM     | E: 14:10           | · - <del></del>        | FINISH TIME:   |                | FINISH TIME:   |             |
| 907 L 47859596 | A Riskon Sucons    | SEA BERNELS CONTRACTOR |  |                |  |             |
| DDGBR 11       | STAPIC<br>PRESSURI |                        | PROBE LIDE PAIRS   |                | SOADIC   | loc.        |
|                | i wc               | ANTARCAL MALES HER NOW |  | (April         | PROBE BY PRESSING  | (CIL)       |
| W-1S           |                    |                        | S-1A   |                | The state of the s |             |
| W-IM           | <del> </del>       | <u> </u>               | S-2B   |                | E-1  |             |
| W-ID           |                    |                        | S-3S   |                | E-2S<br>E-2M   |             |
| W-2A           | +0,0               | OID                    | S-3M1  |                | E-2M<br>E-2D   |             |
| W2B            |                    |                        | S-3M2  | <del> </del>   | E-3  |             |
| W-3S \$"       |                    |                        | S-3D   |                | E-4  |             |
| . W-3M         | 10.0               | 0.0                    | S-4  |                | E-5S   |             |
| W-3D 1         | +0.0               | 0.0                    | S-5  |                | E-5M   |             |
| W-4            |                    |                        | S-6S   |                | E-5D   |             |
| W-5S           | <del> </del>       | <u> </u>               | S-6M1  |                | E-6  |             |
| W-5M<br>W-5D   | <del> </del>       | - - <u>-</u>           | S-6M2  |                | E-7  |             |
| W-6            | -0.1               | DID                    | S-6D   |                | E-8S   |             |
| W-78           |                    | <del>- </del> -        | 8-7  |                | E-8M   |             |
| W-7M           | <del> </del>       | <del> </del>           | S-8  |                | E-8D   |             |
| W-7D           | +05                | 0.0                    | S-9S-R<br>S-9M1-R  |                | E-9  |             |
| W-8            | 100                | 100                    | S-9M1-R<br>S-9M2-R   |                | E-10   |             |
| W-9A           |                    | 1                      | S-9D-R   | <del>-  </del> | E-11S-R  |             |
| W-9B           | -                  |                        | S-10R  |                | E-11M-R<br>E-11D-R   | ···         |
| W-10S          |                    |                        | S-11R  |                | E-12   |             |
| W-10M          | to.0               | 0.0                    | S-12   |                | E-13   |             |
| W-10D          | 7810               | 0.0                    |  |                | E-14S  |             |
| W-11           |                    | <b> </b>               |  |                | E-14M  |             |
| W-12S<br>W-12M | <del></del>        | <del> </del>           |  |                | E-14D  | ·           |
| W-12D          |                    |                        |  |                |  | <del></del> |
| W-13           | <del></del>        | <del>  </del>          |  |                |  |             |
| W-14S          |                    | <del></del>            |  |                |  |             |
| W-14M          |                    |                        |  |                |  |             |
| W-14D          |                    |                        | <del></del>  |                |  |             |
| onitoring )    | Protocol:          | P                      | Probe monitoring is conduct<br>A, Section 1.3.1. Prior to sa<br>Compound concentration rer | mpling each n  | ace with SCAQMD Rule 1150.1, Attack  | nment<br>ic |
| mments:        | GEM,50             | O CALIBRAT             | ED TO 2.5% CH.   |                | CIVE DU SCRUIRIS,  |             |
|                | Subn               | nitted for lab         | oratory analyses.  | <del></del>    |  |             |
|                | <u> </u>           |                        |  |                |  |             |

| DATE:       | 122/04   | 4              |        | DATE:                     | t                          | · ·           | -       | DATE:                     |                                       |                                       |
|-------------|--|----------------|--------|---------------------------|----------------------------|---------------|---------|---------------------------|---------------------------------------|---------------------------------------|
| TART TIN    | Æ: <u> 300</u><br>Æ: <u> 4</u>                   | Ø              | ·<br>- | START TIME<br>FINISH TIME |                            | · ·           |         | START TIMI<br>FINISH TIMI |                                       | · · · · · · · · · · · · · · · · · · · |
| ROBET       | STATIC<br>D. PRESSURE<br>S.(ii.W(C))             | TOC<br>('o')H) |        | PROBE LD                  | SE TIG<br>PRESSIRE<br>inWe | 10¢<br>(/(01) |         | PROBE LD                  | STATIC<br>PRESSURE<br>(in W.C.)       | TOC<br>(%CH.)                         |
| W-18        |  |                | 7      | S-1A                      | NIA                        | NA            | 1       | E-1                       | -0.1                                  | 0.0                                   |
| W-1M        |  |                | 1      | S-2B                      | MIA                        | N/A.          | 1       | E-2S                      |                                       | 10.0                                  |
| W-1D        |  |                | 1      | S-3S                      |                            | 1             | 1       | E-2M                      |                                       |                                       |
| W-2A        | +0,0   | 6.0            |        | S-3M1                     | •                          |               | 1       | E-2D                      | · · · · · · · · · · · · · · · · · · · |                                       |
| W2B         |  |                | ][     | S-3M2                     |                            |               | 1       | E-3                       |                                       |                                       |
| W-38        | `  |                | ]      | S-3D                      |                            |               | ][      | E-4                       |                                       |                                       |
| W-3M        | 10.0   | 00             | 1      | S-4                       |                            |               | ]       | E-5S                      |                                       |                                       |
| W-3D        | 3 + 0.0  | 0.0            | 1      | S-5                       |                            |               | 1       | E-5M                      |                                       |                                       |
| W-4         |  |                |        | S-6S                      |                            |               |         | E-5D                      | ·                                     | ·                                     |
| W-58        |  | <u> </u>       | 1      | S-6M1                     |                            |               |         | E-6                       |                                       |                                       |
| W-5M        |  | ļ              |        | S-6M2                     |                            |               |         | E-7                       |                                       | <u> </u>                              |
| W-5D        | 10.0   | 0.0            | 4      | S-6D                      | <u> </u>                   |               |         | E-8S                      | <u> </u>                              | <u> </u>                              |
| W-6         |  | <u> </u>       | .      | S-7                       |                            |               |         | E-8M                      | -0,2                                  | 0.0                                   |
| W-7S        |  | <u> </u>       | 4 1    | S-8                       |                            |               |         | E-8D                      |                                       | ·                                     |
| W-7M        |  |                | ∦ ∶    | S-9S-R                    |                            | ·             |         | E-9                       |                                       |                                       |
| W-7D<br>W-8 | -0.3   | 00             |        | S-9M1-R                   |                            |               | ļi l    | E-10                      |                                       | <u> </u>                              |
| W-8<br>W-9A |  |                | -      | S-9M2-R                   |                            |               |         | E-11S-R                   | ļ                                     | ļ                                     |
| W-9B        |  | ļ <u>.</u>     | 1      | S-9D-R                    | -                          |               |         | E-11M-R                   | <b> </b>                              |                                       |
| W-10S       |  | -              | ∦ ]    | S-10R                     |                            |               |         | E-11D-R                   | -0,6                                  | 0.0                                   |
| W-10M       | -0.1   | 0.0            | 1 1    | S-11R<br>S-12             | 4 - 2                      |               | 1       | E-12                      | ļ                                     |                                       |
| W-10D       | -011   | 0.0            |        | 7-12                      | to.2                       | 0.0           |         | E-13<br>E-14S             | 40.0                                  | A 3                                   |
| W-11        | 1011   | 0.0            | 1      |                           |                            |               | _       | <del> </del>              | to.0                                  | 0.0                                   |
| W-128       | <del>                                     </del> |                |        | <b></b>                   | <b> </b>                   |               |         | E-14M<br>E-14D            | 10.2                                  | 0.0                                   |
| W-12M       | <del>                                     </del> |                |        | ·                         |                            |               |         | - E-14D                   | +0.0                                  | 8.0                                   |
| W-12D       | <del> </del>                                     | -              |        | <del></del>               |                            |               |         | <del></del>               | <del> </del>                          | <del> </del>                          |
| W-13        |  |                |        |                           |                            |               |         |                           |                                       | <del> </del>                          |
| W-14S       | 10.0   | 0.0            |        |                           |                            |               |         |                           | <del> </del>                          |                                       |
| W-14M       |  |                |        |                           |                            |               |         |                           | <u> </u>                              | l                                     |
| W-14D       | · .  |                |        |                           |                            |               |         |                           |                                       | · · · · · · · · · · · · · · · · · · · |
| (onitorin   | g Protocol:                                      |                | A, Se  | ction 1.3.1.              |                            | ing each pro  | be is e | vacuated un               | Rule 1150.1, A                        |                                       |
|             |  |                | -      |                           |                            |               |         |                           |                                       |                                       |
|             |  | 350            |        |                           |                            |               |         |                           |                                       |                                       |
| mments:     | V  |                |        | TO 2.5% CH                | _                          |               |         |                           |                                       |                                       |

| 2000<br>EQUIPMENT USED: Landtec Gem 500<br>FECHNCIAN: RAUL BOUG  | •  | BAROMETRIC (before): 29.00<br>BAROMETRIC (after): 28.98 |
|--|--|---|
| DATE: 4/23/04  | DATE:  | ).<br>NATURE:   |
| 1 · 1 · · ·  | DATE:  | DATE:   |
| TART TIME: 14:20<br>TRISH TIME: 14:45  | START TIME:  | START TIME:   |
| TNISH TIME: 14: 45   | FINISH TIME:   | FINISH TIME:  |
| · ·  |  |   |
| STATIC   |  | STATIC  |
| ROBE ID PRESSURY (%CH)   |  | PROBE ID PRESSURE                                       |
| The Part of the Pa |  | (in Web   |
| W-18   | S-1A 4/14 1/14   | E-1   |
| W-1M<br>W-1D   | S-2B A/A N/A. S-3S   | E-2S<br>E-2M  |
| W-2A + 0.0 0.0   | S-3M1  | E-2IVI<br>E-2D  |
| W2B FULL OF  | S-3M2  | E-2D<br>E-3   |
| W-38 (   | S-3D   | E-4   |
|  | S-4  | E-SS  |
| W-3M +0.0 0.0<br>W-3D 3+0.0 0.0  | \$-5   | E-5M  |
| W-4  | \$-6\$   | E-5D  |
| W-58   | S-6M1  | E-6   |
| W-5M   | S-6M2  | E-7   |
| W-5D -0.2 0.0  | S-6D   | E-8S  |
| W-6 .  | S-7  | E-8M  |
| W-7S   | S-8  | E-8D  |
| W-7M   | S-9S-R   | E-9   |
| W-7D -0./ 0.0  | S-9M1-R  | E-10  |
| W-8  | S-9M2-R  | E-11S-R   |
| W-9A   | S-9D-R   | E-11M-R   |
| W-9B   | S-10R  | E-11D-R   |
| W-10S  | S-11R  | E-12  |
| W-10M + 0.0 0.0  | S-12   | E-13  |
| W-10D + O. D OO  |  | E-14S   |
| W-11 '   |  | E-14M   |
| W-12S  |  | E-14D   |
| W-12M " W-12D  |  | <b> </b>  |
| W-12D<br>W-13  |  |   |
| W-14S  | <b>  </b>  |   |
|  | -  |   |
| W-14D  |  |   |
|  |  | <u> </u>  |
| lonitoring Protocol:   | Probe monitoring is conducted in accordance was A, Section 1.3.1. Prior to sampling each probe Compound concentration remains constant for | is evacuated until the Total Organic                    |
| omments: GEM-500 CALIBRAT  | TED TO 2.5% CH <sub>4</sub>  | ,   |

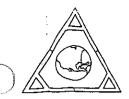
# Monthy Probe Readings

|                | TANK A                                |                 |        | si No.                       | )                                  |               |          | BAROMETE                               | UC (before):   | 29.01         |
|----------------|---------------------------------------|-----------------|--------|------------------------------|------------------------------------|---------------|----------|--|----------------|---------------|
| DATE:          | TAIN: JEGO                            | um II           | Jum    | <u></u>                      |                                    |               |          |  | CIC (after):   |               |
|                | 6/17/0                                |                 |        | DATE:                        | 6/21/                              | 04            | 7        | DATE:                                  | 6/24/          | 34 -> Bar     |
| START TIN      |                                       |                 |        | START TIM                    | E: 093<br>E: 1140                  | <u>o</u>      | -<br>-   |  | E: 0850        |               |
| PROBE L        | STATIC<br>D PRESS RE<br>60W C P       | # Hoc<br>#acifa |        | PROBE III                    |                                    |               |          | entententi                             | E DRESSING     | Poc<br>Pocina |
| W-1S           | 10.0                                  |                 | 1      |                              | 30 V 9 F                           |               |          |  | anny (co       |               |
| W-IM           | 10.0                                  | 0.0             | WAY    | S-1A<br>S-2B                 | <del> </del>                       |               | -        | E-1                                    | +0.1           | 0.0           |
| W-1D           | 10.0                                  | 0.0             | ╢ `    | S-3S                         | 10.0                               | 0.0           | 4 1      | E-2S                                   | +0.0           | 00            |
| W-2A           | +0.2                                  | 0.0             | 1      | S-3M1                        | 10.0                               | 0.0           | -        | E-2M<br>E-2D                           | -0.1           | 0.0           |
| W2B            | 101                                   | 0,0             | 1      | S-3M2                        | +0,0                               | 0.0           | ╣        | E-2D                                   | -2.0           | 0.0           |
| W-35 }         | +0.0                                  | 0.0             | 1      | S-3D                         | +00                                | 0.0           | 1 1      | E-4                                    | -0.2           | 0.0           |
| W-3M           | #0-0.1                                | 0.0             |        | S-4                          | +0.0                               | 0.0           | 1 1      | E-5S                                   | 40.0           | 0.0           |
| W-3D.          | -0.2                                  | 0.0             |        | . S-5                        | +00                                | 0.0           | 1 1      | E-5M                                   | +0.0           | 0.0           |
| W-4            | to.0                                  | 0.0             |        | S-6S                         | t010                               | 0.0           | 1 1      | E-5D                                   | 10.1           | 0.0           |
| W-58           | 10.0                                  | 0.0             |        | S-6M1                        | 10.0                               | 0.0           | 1 . 1    | E-6                                    | 100            | 0.0           |
| W-5M           | -0.3                                  | 0.0             |        | S-6M2                        | 10.0                               | 0.0           | 1 1      | E-7                                    | +0.0           | 0.0           |
| W-5D           | -0.6                                  | 0.0             |        | S-60                         | +0.0                               | 0.0           |          | E-8S                                   | -0.1           | 0.0           |
| W-6<br>W-7S    | 100                                   | 0.0             |        | S-7                          | 10.0                               | 0.0           |          | E-8M                                   | -0.2           | 0.0           |
| W-78           | -0.1                                  | 0.0             |        | <u>\$-8</u>                  | +0,0                               | 0,0           |          | E-8D                                   | -0.6           | 32.4          |
| W-7D           | -0.8                                  | 0.0             |        | S-9S-R                       | 100                                | 0.0           |          | E-9                                    | -0.1           | 0.6           |
| W-8            | +0.0                                  | 0.0             |        | S-9M1-R                      | 10.0                               | 0.0           |          | E-10                                   | -0.1           | 0.0           |
| W-9A           | +0.0                                  | 0.0             |        | S-9M2-R                      | 10.0                               | 0.0           |          | E-11S-R                                | -0.1           | 0:0           |
| W-9B           | +0.0                                  | 0.0             |        | S-9D-R<br>S-10R              | +0.0                               | 0.0           |          | E-11M-R                                | -0.3           | 0.0           |
| W-10S          | 10.0                                  | 0.0             |        | S-10R<br>S-11R               | 1000                               | 0.0           |          | E-11D-R                                | -0.9           | 0.0           |
| W-10M          | -0.5                                  | 0.0             |        | S-11R                        | +0.0                               | 0.0           | -        | E-12                                   | -0.2           | 00            |
| W-10D          | -0,2                                  | 0.0             |        | 10-12                        | 10.0                               | 0.0           | -        | E-13                                   | -013.          | 0.0           |
| W-11           | +0.0                                  | 6.0             |        | <del>"</del>                 |                                    | <del></del> - | ▎▕⊦      | E-14S<br>E-14M                         | -0.3           | 0.0           |
| W-12S          | +0.0                                  | 0.0             |        | <del></del>                  |                                    |               | <b>│</b> | E-14M<br>E-14D                         | -0.2           | 0.0           |
| W-12M          | -0.4                                  | 0.0             | ·      |                              |                                    | <del></del>   | -        | T-14D                                  | -6.A           | 010           |
| W-12D          | -011                                  | 0.0             | ľ      |                              |                                    |               | ▎▕ऻ      |  |                | <del>  </del> |
| W-13           | 40.0                                  | 0.0             |        |                              |                                    |               | ╎        |  |                |               |
| W-14S          | 10.0                                  | 0.0             |        |                              |                                    |               |          |  |                |               |
| W-14M<br>W-14D | +0·0                                  | 0.0             |        |                              |                                    |               |          |  |                |               |
| 11-14L)        | -0.4                                  | 0.0             | L      |                              |                                    |               |          |  |                |               |
| Aonitoring     | Protocol:                             | F               | Probe  | monitoring i                 | s conducted in                     | accordance    | with S   | CAQMD R                                | ule 1150.1, A  | tachment      |
|                |                                       |                 | 1, 360 | uon 1.3.1, 1                 | Prior to sampli<br>tration remains | ng each prob  | e is ev  | acusted unti                           | I the Total Or | ganic         |
| Comments:      | ر2<br>GEM-500                         | CALIBRAT        | ED T   | 2.5 /.<br>0 <b>4</b> :5% CH, |                                    |               |          |  |                |               |
|                | * Submi                               | tted for lak    | orato  | ry analyse                   | S.                                 |               |          | <del> </del>                           |                |               |
|                | · · · · · · · · · · · · · · · · · · · |                 |        |                              |                                    | **            |          | ······································ |                |               |

|             |                      | <b>2000</b><br>dtec Gem <b>500</b>            |  | BAROMETRIC (before): 28.95 BAROMETRIC (after): 28.92 |
|-------------|----------------------|---|--|--|
| TECHNO      | IAN: <i>RAMO</i>     | N JBARA                                       | EA / PAUL BONGATO                            | BAROMETRIC (after): 28.92                            |
| DATE:       | 124/04               |   | DATE:  | DATE:  |
| START TIM   | E: 13142<br>E: 13:57 | <u>,                                     </u> | START TIME:<br>FINISH TIME:                  | START TIME:  |
| PROBE LI    | ST.VIC               | roc   | PROBLIDE PROSURE                             | STATE  |
|             | (m(V(C))             | SARO CPACE UNIVERSI                           |  | PROBE DD PRISS PA (6/4GH)                            |
| W-1S        |                      |   | S-1A   | E-1  |
| 'W-1M       |                      |   | S-2B   | E-2S   |
| W-1D        |                      |   | \$-3\$                                       | E-2M   |
| W-2A        | -0.2                 | 0.0   | S-3M1  | E-2D   |
| W2B         |                      |   | S-3M2  | E-3  |
| W-35 /      | <del> </del>         |   | S-3D   | E-4  |
| W-3M        | -0.3                 | 0.6   | S-4  | E-5S   |
| W-3D 3      | -0.1                 | 0.0   | S-5 .  | E-5M   |
| W-4         |                      |   | S-6S   | E-SD   |
| W-5S        |                      |   | S-6M1  | E-6  |
| W-5M        |                      |   | S-6M2  | E-7  |
| W-5D        | -0.4                 | 8.2   | S-6D   | E-8S   |
| W-6         |                      | <u> </u>                                      | S-7  | E-8M   |
| W-78        |                      |   | S-8  | E-8D   |
| W-7M        |                      | <del> </del>                                  | S-9S-R                                       | E-9  |
| W-7D        | -0.2                 | 0.0   | S-9M1-R                                      | E-10   |
| W-8<br>W-9A |                      | <b> </b>                                      | S-9M2-R                                      | E-11S-R  |
| W-9B        |                      | <del>  </del>                                 | S-9D-R                                       | E-11M-R  |
| W-10S       |                      | <b> </b>                                      | S-10R  | E-11D-R  |
| W-10M       | Las                  |   | S-11R  | E-12   |
| W-10D       | +00<br>-0.1          | 0,0   | S-12   | E-13   |
| W-11        | 70.7                 | 0.0   |  | E-14S  |
| W-12S       |                      | <del></del>                                   |  | E-14M  |
| W-12M       |                      | <del>  </del>                                 |  | E-14D  |
| W-12D       | ···                  |   |  |  |
| W-13        |                      |   |  |  |
| W-14S       |                      | <del> </del>                                  |  |  |
| W-14M       |                      |   | <del>  </del>                                |  |
| W-14D       |                      | <del></del>                                   | <del>   </del>                               |  |
| onitoring ) | Protocol:            | P:  | robe monitoring is conducted in accordance   | with SCAONED Bull 1150 1 4 11                        |
|             |                      | A   | , Section 1.3.1. Prior to sampling each prob | e is everywheel well the Thirties                    |
|             |                      | C   | ompound concentration remains constant for   | o is evacuated until the Total Organic               |
|             |                      |   | T - 25 TONOUND TOMBUS CONSTRUCTOR            | ou seconds.  |
|             | 28                   | 70D   |  |  |
| mments;     |                      |   | ED TO 2.5% CH,                               |  |
| _           | * Subm               | itted for lab                                 | oratory analyses.                            |  |
|             |                      | TOU IOI ISD                                   | viatory analyses.                            |  |
|             | •                    |   |  |  |

| TECHNO                  | CIAN: Ray                             | mon Ibo        | ens.   | ial No. 740<br>_/RAUL | BONGATO   | ,              |              | BAROMET<br>BAROMET     | RIC (before):                                    | 8.95   |
|-------------------------|---------------------------------------|----------------|--|-----------------------|---|----------------|--------------|------------------------|--|--|
| DATE:                   | 6/25/04                               | ٠              | : .<br>-   | DATE:                 |   |                |              | DATE:                  | -  |  |
| START TII<br>FINISH TII | ME: <u>/8:54</u><br>ME: <u>/5:0</u> 2 | <del>//</del>  | - · .  | START TIM             |   |                | <del>-</del> | START TIM              |  |  |
| PROBE (                 | STAPIC<br>D. PRESSIR<br>(B.W.C.)      |                | The state of the s | Phone, ii             |   |                |              | Transmanus-valisamus-v |  | l loc  |
| W-18<br>W-1M            | 1/                                    |                | ]  | S-1A                  |   |                | ] .          | E-1                    | -0.7   | 0.0  |
| W-1D                    |                                       |                | ╢  | S-2B<br>S-3S          |   |                | 4            | E-2S                   |  |  |
| W-2A                    | -03                                   | 0.0            | 1  | S-3M1                 |   | +              | -            | E-2M                   | <u> </u>   |  |
| W2B                     |                                       | 1              | 1  | S-3M2                 |   | +              | 1            | E-2D                   | <del> </del> -                                   | <del> </del>                                     |
| W-38 5                  |                                       |                | 1  | S-3D                  |   | <del>- </del>  | -            | E-3<br>E-4             | -  | <del></del>                                      |
| W-3M                    | -0.4                                  | 0,0            | 1  | 8-4                   | <del>                                     </del>    | <del> </del>   | ╢            | E-58                   | <del>- </del>                                    | <del> </del>                                     |
| W-3D 1                  | -0.2                                  | 0.0            | 1  | . S-5                 | · .   | <del></del>    | 1            | E-5M                   | <del></del>                                      |  |
| W-4                     |                                       |                |  | S-6S                  |   |                | 1            | E-5D                   | <del> </del>                                     | <del> </del>                                     |
| W-58                    | <del> </del>                          |                |  | S-6M1                 |   |                | 1            | E-6                    | <del>                                     </del> | <del> </del>                                     |
| W-5M                    |                                       |                |  | S-6M2                 |   |                |              | E-7                    |  | <del>                                     </del> |
| W-5D<br>W-6             | -0,4                                  | 0,0            |  | S-6D                  |   |                | ]            | E-8S                   |  | <del></del>                                      |
| W-78                    | <del> </del>                          | <del></del>    |  | S-7                   |   |                |              | E-8M                   | -0.7   | 0.0  |
| W-7M                    | <del> </del>                          | <del></del>    |  | S-8                   | <u> </u>  |                | N 1          | E-8D                   |  |  |
| W-7D                    | -0.2                                  | 0.0            |  | S-9S-R<br>S-9M1-R     |   |                |              | E-9                    |  |  |
| W-8                     |                                       | 10.0           |  | S-9M1-R<br>S-9M2-R    | <del> </del>  |                |              | E-10                   |  |  |
| W-9A                    |                                       | 1              |  | S-91/12-R<br>S-9D-R   |   | <del> </del> - |              | E-11S-R                |  | <u> </u>   |
| W-9B                    |                                       |                |  | S-10R                 | <del> </del>  |                |              | E-11M-R                |  |  |
| W-108                   |                                       |                |  | S-11R                 | <del>                                     </del>    | <del> </del>   |              | E-11D-R                | -0.7   | 0,0  |
| W-10M                   | -011                                  | 1.5            | -  | S-12                  | -0.5  | 0.0            |              | E-12<br>E-13           | <del></del>                                      |  |
| W-10D                   | -0-3                                  | 0.0            |  |                       |   |                |              | E-14S                  |  |  |
| W-11                    | <u> </u>                              |                |  |                       |   |                |              | E-14M                  | -0.15  | 0.0  |
| W-12S<br>W-12M          |                                       |                | į.   |                       |   |                |              | E-14D                  | -0.4   | 0,0  |
| W-12M<br>W-12D          |                                       |                |  |                       |   |                |              |                        |  |  |
| W-12D<br>W-13           | ļ <u></u>                             | <del> </del>   | ]  |                       |   |                |              |                        |  |  |
| W-14S                   | -0-6                                  |                |  | ···                   | ·   |                |              |                        |  |  |
| W-14M                   | - 5-6                                 | 0.0            | - #  |                       |   |                |              |                        |  |  |
| W-14D                   |                                       |                | ŀ  |                       |   |                |              |                        |  |  |
| nitoring                | Protocol:                             | 4              | 1, 500   | иои 1.5.1. 1          | s conducted in<br>Prior to sample<br>tration remain | ing each prob  | e is ev      | acutated unti          | ule 1150.1, A<br>il the Total Or                 | ttachment<br>ganic                               |
|                         |                                       |                |  |                       |   |                |              |                        |  |  |
| -                       |                                       | SOCO.          |  |                       |   |                |              |                        |  | •  |
| unents:                 | GEM-50                                | O CALIBRAT     | ED Ţ   | O 2.5% CH.            | 1   |                |              | •                      |  |  |
|                         | * Subn                                | nitted for lat | orato  | ory analyse           | S.  |                |              | <del></del>            | <del> </del>                                     |  |
|                         |                                       |                |  |                       |   |                | **           | ·                      |  |  |

| EQUIPMENT USED: Landtec Gem 500                                    | (Serial No.7406 )  | BAROMETRIC (before): 2969 BAROMETRIC (after): 2955  |
|--|--|---|
| TECHNCIAN: [Lamon ]  | am   |   |
| EQUIPMENT USED: Landtec Gem 500 TECHNCIAN: Lamon IL DATE: 6/30/6 4 | DATE:  | DATE:   |
| STARTTIME: /3/5<br>FINISHTIME: /340                                | START TIME:<br>FINISH TIME:  | START TIME: FINISH TIME:  |
| STORE STORE  |  |   |
| PROBE LEDE PRESSURE:   | PROBERIOS ERRESTARO  |   |
|  |  |   |
| W-18   | S-1A   | E-1   |
| W-1M   | S-2B   | E-2S  |
| W-ID   | S-3S   | E-2M  |
| W-2A +0.0 0-0<br>W2B   | S-3M1  | E-2D  |
| W-38 {   | 1  | E-3   |
|  | S-3D   | E-4   |
|  | S-4  | E-5S  |
| W-3D s -0, l 00  | S-5  | E-5M  |
| W-5s   | S-68   | E-5D  |
| W-5M   | S-6M1  | E-6   |
| W-5D -0.4 00   | S-6M2  | E-7   |
| W-6  | \$-6D<br>\$-7  | E-8S  |
| W-78   | S-8  | E-8M  |
| W-7M   | S-9S-R   | E-8D  |
| W-7D -0.3 0-0  | S-9M1-R  | E-9   |
| W-8  | S-9M2-R  | E-10  |
| W-9A   | S-9D-R   | E-11S-R   |
| W-9B   | S-10R  | E-11M-R   |
| W-108 10.0 0.0   | S-11R  | E-11D-R<br>E-12   |
| W-10M -012 00  | S-12   | E-12<br>E-13  |
| W-10D +0-0 0-0   |  | E-14S   |
| W-11   |  | E-14M   |
| W-12S  |  | E-14D   |
| W-12M  |  |   |
| W-12D  |  |   |
| W-13   |  |   |
| W-14S  |  |   |
| W-14M<br>W-14D   |  |   |
|  |  |   |
| onitoring Protocol:  | Probe monitoring is conducted in accordance to the sampling each compound concentration remains const. | dance with SCAQMD Rule 1150.1, Attachment in probe is evacuated until the Total Organic ant for 30 seconds. |
| 25500<br>nments: GEM-596 CALIBRAT                                  |  |   |
|  | poratory analyses.   |   |
| IVI IQL  | oratory analyses.  |   |
|  |  |   |



# Atm AA inc.

23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250

## LABORATORY ANALYSIS REPORT

environmental consultants laboratory services

SCAQMD Rule 1150.1 Components Analysis in Probe Tedlar Bag Sample

Report Date: June 8, 2004

Client: Shaw Environmental

Project Location: Bradley Landfill
Date Received: June 1, 2004
Date Analyzed: June 1, 2004

AtmAA Lab No.:

01534-1

Sample I.D.:

Probe E8D BL-010

Components(Concentration in %,vNitrogen49.2Oxygen12.9Methane23.2Carbon dioxide13.2

(Concentration in ppmv)

TGNMO 547 Hydrogen sulfide <0.5

(Concentration in ppbv)

|                       | Concentration in ppp |
|-----------------------|----------------------|
| Benzene               | <20                  |
| Benzylchloride        | <40                  |
| Chlorobenzene         | <30                  |
| Dichlorobenzenes*     | <30                  |
| 1,1-dichloroethane    | <30                  |
| 1,2-dichloroethane    | <20                  |
| 1,1-dichloroethylene  | <30                  |
| Dichloromethane       | <30                  |
| 1,2-dibromoethane     | <30                  |
| Perchloroethylene     | <20                  |
| Carbon tetrachloride  | <30                  |
| Toluene               | 34.0                 |
| 1,1,1-trichloroethane | <20                  |
| Trichloroethene       | <20                  |
| Chloroform            | <20                  |
| Vinyl chloride        | 442                  |
| m+p-xylenes           | 30.2                 |
| o-xylene              | <20                  |
|                       |                      |

The accuracy of permanent gas analysis by TCD/GC is +/- 2%, actual results are reported.

The reported oxygen concentration includes any argon present in the sample. Calibration is based on a

standard atmosphere containing 20.95% oxygen and 0.93% argon.

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.

\* total amount containing meta, para, and ortho isomers

Michael L. Porter Laboratory Director

# QUALITY ASSURANCE SUMMARY (Repeat Analyses)

Project Location: Bradley Landfill Date Received: June 1, 2004 Date Analyzed: June 1, 2004

|                      | Sample<br>ID | Repeat | Analysis<br>Run #2 | Mean<br>Conc. | % Diff.<br>From Mean |
|----------------------|--------------|--------|--------------------|---------------|----------------------|
| Components           |              |        | centration in      |               | - Trom Moun          |
| Nitrogen             | Probe E8D    | 49.2   | 49.2               | 49.2          | 0.0                  |
| Oxygen               | Probe E8D    | 13.0   | 12.8               | 12.9          | 0.78                 |
| Methane              | Probe E8D    | 23.2   | 23.2               | 23.2          | 0.0                  |
| Carbon dioxide       | Probe E8D    | 13.4   | 13.1               | 13.2          | 1.1                  |
|                      |              | (Conc  | entration in p     | pmv)          |                      |
| TGNMO ·              | Probe E8D    | 541    | 553                | 547           | 1.1                  |
| Hydrogen sulfide     | Probe E8D    | <0.5   | <0.5               |               |                      |
|                      |              | (Cond  | entration in p     | pbv)          |                      |
| Benzene              | Probe E8D    | <20    | <20                |               |                      |
| Benzylchloride       | Probe E8D    | <40    | <40                |               |                      |
| Chlorobenzene        | Probe E8D    | <30    | <30                |               | 44 to 34             |
| Dichlorobenzenes     | Probe E8D    | <30    | <30                |               | # · · ·              |
| 1,1-dichloroethane   | Probe E8D    | <30    | <30 .              |               | an to ap             |
| 1,2-dichloroethane   | Probe E8D    | <20    | <20                | ***           |                      |
| 1,1-dichloroethylene | Probe E8D    | <30    | <30                |               |                      |
| Dichloromethane      | Probe E8D    | <30    | <30                |               |                      |
| 1,2-dibromoethane    | Probe E8D    | .<30   | <30                |               | <b>202</b>           |
| Perchloroethylene    | Probe E8D    | <20    | <20                | ***           | <b>unu</b>           |
| Carbon tetrachloride | Probe E8D    | <30    | <30                |               |                      |
| Toluene              | Probe E8D    | 36.3   | 31.7               | 34.0          | 6.8                  |

## QUALITY ASSURANCE SUMMARY (Repeat Analyses) (continued)

|                       | Sample    | Repeat | Analysis      | Mean  | l % Diff. |
|-----------------------|-----------|--------|---------------|-------|-----------|
|                       | ID        | Run #1 | Run #2        | Conc. | From Mean |
| Components            |           | (Cond  | centration in | ppbv) |           |
| 1,1,1-trichloroethane | Probe E8D | <20    | <20           |       | usu       |
| Trichloroethene       | Probe E8D | <20    | <20           | ***   | ·         |
| Chloroform            | Probe E8D | <20    | <20           |       |           |
| Vinyl chloride        | Probe E8D | 455    | 430           | 442   | 2.8       |
| m+p-xylenes           | Probe E8D | 31.6   | 28.9          | 30.2  | 4.5       |
| o-xylene              | Probe E8D | <20    | <20           |       |           |

One Tedlar bag sample, laboratory number 01534-1, was analyzed for SCAQMD Rule 1150.1 components, permanent gases, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 8 repeat measurements from the one Tedlar bag sample is 2.1%.



| Shaw     |
|----------|
| ALICIAA. |

# **CHAIN OF CUSTODY**

| Documer |  |
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| Snaw                  |                                  |            | 11/4          | OI.          | U       | J               | IU          | U   | ı        |          |                                |              | _  |  |  |              |                    | Page        | ,        | 1           | of    | 1        |
|-----------------------|----------------------------------|------------|---------------|--------------|---------|-----------------|-------------|-----|----------|----------|--------------------------------|--------------|--|--|--|--------------|--------------------|-------------|----------|-------------|-------|----------|
| Shaw Environmental    | and Infrastructure Inc.          |            |               |              |         |                 |             |     |          | P        | rogra                          | am.          | Г  |  | p,   | anna         |                    |             |          | rogra       |       |          |
| Company Name:         | Shaw Envronmental & Infra., Inc. | Pro        | ject Number:  | : 108341.0   | 1       |                 |             |     |          | Γ        | •                              | avy          |  | Т  | Τ  | T T          | ]                  | 103         | ling /   | Togia       | am    |          |
| Address:              | 9081 Tujunga Avenue              | P          | roject Name:  | Bradley L    | andfili | l               | <del></del> |     | •        |          |                                | CEE          |  |  | 1  |              |                    |             |          |             |       |          |
| City / State / Zip:   | Sun Valley, CA 91352             | Proj       | ect Location: | Sun Valle    | y, Cal  | lifornia        |             |     | •        |          |                                | OT           | 1  |  |  |              |                    |             |          |             |       |          |
| Manager:              | Darrell Thompson                 | Purct      | nase Order #: |              |         |                 |             |     | •        | $\nabla$ | US                             | AÇE          | 1  |  |  |              | l                  |             |          |             |       |          |
| Phone/Fax Number:     | 818-767-0444                     | Lab        | Destination:  | AtmAA, I     | nc.     |                 |             |     | •        |          | İ                              | DES          |  |  |  | Ì            |                    | [ -         |          |             |       | ı<br>O   |
| Send Report To:       | Tom Sandhu                       |            | Lab Contact:  | Micheal      |         |                 |             |     | •        |          |                                | RA           |  |  |  |              |                    | N2)         |          |             |       | cate     |
| Address:              | 9081Tujunga Avenue               | ı          | Lab Phone #:  | (818) 223    | -3277   | ,               |             | *   | •        |          |                                | her          | 1  |  |  |              |                    | O2, N       |          |             |       | Duplicat |
| City:                 | Sun Valley, CA 91352             |            |               |              |         |                 |             |     | •        |          |                                |              |  |  |  |              | 굨.                 |             |          | 1 1         |       | ā        |
| Project Contact:      | Tom Sandhu                       |            |               | *            |         | 8               |             |     | PRI      | ESER     | VAT                            | ION          | 1  | 25   | , S  | 1            | <u>6</u>           | 3           |          |             |       | Field    |
| Phone/Fax Number:     | (818) 822-5273                   |            |               |              |         | i i             | _           |     |          |          |                                |              | 8  | Pog  | Ę  | 9.           | 8                  | Gases (CO2, |          |             |       | Ξ        |
|                       |                                  | Collec     | tion Informa  | tion         | ×       | S               | 9,6         |     | <u>_</u> |          | *                              |              | BTI  | Met  | 2  | 307          | 5                  | ő           |          |             |       |          |
| Shaw Sample Number    | Sample Identification            | Date       | Time          | Method       | Matrix  | # of Containers | QC Level    | HCL | NaOH     | HNO,     | H <sub>2</sub> SO <sub>4</sub> | 93           | Total BTU's                                      | TOC Method 25                                    | TAC Rule 1150.1                                  | TRS / 307.91 | Table 1 Core Group | Fixed       |          |             |       | MS/MSD   |
| BL-010                | Probe E8D                        | 05/31/01   | 0850          | LF           | Α       | 1               |             |     |          |          |                                |              | Ť  | ×  | x  |              | ×                  | x           |          |             |       | ┽≝       |
|                       |                                  |            |               |              | -       | <b>†</b>        |             |     |          |          |                                |              | T  | <del>  -</del>                                   | Ĥ  |              | Î                  | Ĥ           |          |             |       | - -      |
|                       |                                  |            |               |              |         | 1               |             |     |          |          |                                |              | $\vdash$   | $\vdash$   |  |              | -                  |             |          |             |       |          |
|                       |                                  |            |               |              | -       |                 |             |     |          |          |                                |              | <u> </u>   |  |  | _            |                    |             |          |             |       |          |
|                       |                                  |            |               |              |         |                 |             |     |          |          |                                |              | $\top$   | <del>                                     </del> |  |              |                    |             |          |             |       | +        |
|                       |                                  |            |               |              |         |                 |             |     |          |          |                                |              | T  |  | <del>                                     </del> |              |                    |             |          | $\dashv$    |       | +-       |
|                       |                                  |            |               |              |         |                 |             |     |          |          |                                |              |  |  | _  |              |                    |             |          |             | -     | +        |
|                       |                                  |            |               |              |         |                 |             |     |          |          |                                |              | $\vdash$   |  |  |              |                    | $\Box$      | $\dashv$ | 一十          |       | _        |
|                       |                                  |            |               |              |         |                 |             |     |          |          |                                |              | <del>                                     </del> | 一  |  | _            |                    |             |          | $\dashv$    | -     | +        |
|                       |                                  |            |               |              | -       |                 |             |     |          |          |                                |              |  | -  |  |              |                    | $\dashv$    | _        | $\dashv$    | -     | +        |
|                       |                                  |            |               |              |         |                 |             |     | _        |          |                                | -            |  | _  | _  |              |                    | $\neg$      |          | $\dashv$    |       | +        |
| Special Instructions: |                                  |            | <del>*</del>  | <del>'</del> |         | <del></del>     |             |     |          |          |                                |              | Mei  | hod  | Cod  |              |                    |             |          |             |       |          |
|                       |                                  |            |               |              |         |                 |             |     |          |          |                                |              |  | Com  |  | _            |                    |             | G = (    | Grah        |       |          |
| Sampler(s) Name(s):   |                                  |            |               |              |         |                 |             |     |          | *        | •                              |              | 1  | Low  | _  |              |                    |             | •        |             |       |          |
| Relinguished By:      | pu 6/1/04                        | Time: 0940 | Received By:  |              |         |                 |             |     |          | Date;    |                                | Time         | Mat  | rix (  | ode  | <u>s</u>     |                    |             |          |             |       |          |
| Relinquished By:      | Date:                            |            | Received By:  | 4/           |         |                 |             |     |          | 0 d      | 1 1                            | O(Y)         | 1  |  |  | g Wa         |                    | 1           | SO =     | Soil        |       |          |
| M And Ac.             | 5. ce-1-04                       | 946        | ľ             |              |         |                 |             |     | •        | Jaio,    |                                | 14110        |  |  |  | Wat          |                    | ;           | SL =     | Slud        | ge    |          |
| Refinquished By:      | Date;                            | .,,        | Received By:  |              |         |                 |             |     |          | lat-:    |                                | <del>-</del> | ww   | = W:   | aste '   | Wate         | r                  | í           | CP =     | Chip        | Samp  | oles     |
|                       | · ·                              | i iiiiG.   | sooiraa ay.   |              |         |                 |             |     | L        | Date:    |                                | Time         | sw   | = Su   | face   | Wate         | er                 | 1           | WP =     | : Wip       | e Sam | ples     |
| Turnaround Time:      | Normal                           |            | Duch          |              |         |                 |             |     |          |          |                                |              | ПO   | = Oti  | ier L  | lquid        |                    | 4           | A = A    | Air Sa      | mple  |          |
| The second second     | Monda                            |            | Rush          |              |         |                 |             |     |          |          |                                |              | SOL  | = Ot   | her S  | Solid        |                    |             |          |             |       |          |
|                       |                                  |            |               |              | -       |                 |             |     |          |          |                                |              |  |  |  |              |                    |             |          | <del></del> |       |          |

)1534-1



May 19, 2004

STL LOT NUMBER: **E4D280237** PO/CONTRACT: **LB1504** 

Mr. Ken Pierce SCS Field Services 3711 Long Beach Blvd Suite 806 Long Beach, CA 90807

Dear Mr. Pierce:

This report contains the analytical results for the sample received under chain of custody by STL Los Angeles on April 27, 2004. This sample is associated with your 234 BRADLEY LANDFILL project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria, except as noted in the case narrative below. Any matrix related anomaly is footnoted within the report.

Preliminary results were sent via email to the following addresses on May 5, 2004: kpierce@scsengineers.com and bmatlock@wm.com.

This report shall not be reproduced except in full, without the written approval of the laboratory.

| This report contains | 000023 | pages. |
|----------------------|--------|--------|
|                      |        |        |



#### **CASE NARRATIVE**

- 1. In the EPA 25C sample analysis, please note that the laboratory evaluates each set of triplicate sample and QA/QC injections based on a 15% RSD (Percent Relative Standard Deviation) criterion. The average response factor from each calibration standard is evaluated against the curve mean based on a 15% D (Percent Difference) criterion. The system performance check or the daily calibration is evaluated based on a 15% D criterion. STL Los Angeles does not consider the published method criteria of 2% RSD, 2.5% D, and 5% D, respectively, practical for use in a production laboratory.
- The EPA TO15 sample was received in a Tedlar bag. As per NELAC, Tedlar bags are not appropriate sample collection media for this test. EPA TO15 describes the use of SUMMA canisters for sampling and analysis. Use of Tedlar sample bags constitutes a modification to the method.

If you have any questions, please feel free to call the at (714) 258-8610 extension 325.

Sincerely,

Maria O. Friedman Project Manager

cc: Mr. Bruce Matlock

Waste Management Disp. Services

9081 Tujunga Ave. Sun Valley, CA 91352 Project File







# Severn Trent Laboratories, Inc.

| STL-4124 (0901)  Client  |             |             |  |                |                 |         |                |             |               |                 |        |              | •••      |             |          | 46       | VI G            | itor i          | 163,  | , [81       | ic.        |               |              |             |              |  |             |             |
|--|-------------|-------------|--|----------------|-----------------|---------|----------------|-------------|---------------|-----------------|--------|--------------|----------|-------------|----------|----------|-----------------|-----------------|-------|-------------|------------|---------------|--------------|-------------|--------------|--|-------------|-------------|
| WASTE MWNAGEME   | 4           | Projec      | ct Manag   | ger .          |                 | -       | •              |             |               |                 |        |              |          |             |          |          | Date            |                 |       |             |            |               | Chai         | 200         |              |  |             |             |
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| GIN TULLIAM AVE  | =           | l elepi     | TONE NU  | imber .        | (Area (         | Code)/I | Fax N          | Numbe       | er            |                 |        |              |          |             |          | _        | Lab N           | Vumbe<br>10     | ٠.    |             |            |               |              | <u> </u>    | <u>, v .</u> | <u> </u>                                     | <u>†</u>    |             |
| =-7   Jaiate 1211  | Code        |             | に <u>しし)</u><br>Contact                          | 4              | 26              |         |                |             |               |                 |        |              |          |             |          |          |                 |                 |       |             | 51         | '             | Pag          | e           | _ {          | _ of   | , ,         | 1           |
|  | 11352       |             | انامانا<br>انامانا                               | <i>-</i>       | <b>~</b> `.     |         |                | onlact      |               |                 |        |              | 25.      |             | <u> </u> | Anal     | ysis (          | Attac<br>e is n | h lis | t If        |            |               | Ť            |             |              |  |             |             |
| Project Name and Location (State)  | 117.32      | Carrie      | r/Waybii   | 1 Num          | <u>ت</u>        |         | $\sim$         | M           | 1             |                 |        | _ <b> </b> - |          | <u>61 ;</u> | <u> </u> | ipre     |                 | e is n          | eede  | e <i>d)</i> |            | <del></del> - | _            |             |              |  |             |             |
| BRADLEY LF.  |             | -           | ., uy .,,  | 1.1415(1)      | UG1             |         |                |             |               |                 |        | ].           | (s)      | 2           | 3        |          | ار              |                 | - [   |             |            | 1             |              |             |              |  |             |             |
| Contract/Purchase Order/Quote No.  |             |             | Т  |                |                 | -       |                |             |               |                 |        | _            | OJE SHED | י ענ        |          | 3 3      |                 |                 | ı     | ľ           | - 1        |               |              | Sp          | ecial        | Instru                                       | ıction      | s/          |
|  | <u>.</u>    |             | Ī  | Mati           | ix .            |         |                | Con<br>Pres | tain:<br>erva | ers &<br>atives | ;      |              | 2        | הלילה<br>הי | 4 (      | 3 6      |                 | 1               |       | 1           | İ          |               |              | Co          | ndítio       | ns of  | Rece        | ipt         |
| Sample I.D. No. and Description<br>(Containers for each sample may be combined on one line)  | Date        | Timė        | Air<br>Air                                       | Sed.           | Soll            | Unpres. | 12504          | HNO3        | Ş             | NBOH            | a OH   |              | 30,1     | 175.        | 11 7 7 1 | 70,70    |                 |                 |       |             |            |               |              |             |              |  |             |             |
| PLOBE E ED   | 4/27/04     | 1105        | X  | +              | "               | +-      | 1              |             | -             | <               | 73     |              |          | #           | 4        |          | 4               | $\vdash$        | -     | +           |            | +             | -            | _           |              | <u>.                                    </u> |             |             |
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| € <del>)</del>   |             |             |  |                |                 |         |                |             |               |                 |        |              |          |             |          |          |                 |                 | T     |             |            |               |              |             |              | <del></del>                                  |             |             |
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| Possible Hazard Identification   |             | <del></del> | Samo   | le Dis         | nosei           | <b></b> | Ш              |             |               |                 |        |              |          | <u>L</u>    |          |          |                 |                 |       |             |            |               |              |             |              |  | _           |             |
| 🛮 Non-Hazard 🔲 Flammable 🔲 Skin Irritant   | Poison 8    | Unknown     |  |                |                 | ., 7    | M .            | ) spos      | - / D.        |                 | _      | <b>.</b>     |          |             |          |          |                 | (/              | 1 lee | mav         | be a:      | sess          | ed if        | samolo      | 20 200 4     | etained                                      |             |             |
| Turn Around Time Required  |             |             | 1  | -10///         | - One           |         | OC.            | Requi       | reme          | Lab             | المومن | Arc          | hive .   | For _       |          |          | Month           | s lo            | nger  | thán        | 1 mc       | nih)          | A            | ans subte   | is ale i     | etained                                      | 1           |             |
| 24 Hours 7 Days 14 Days  | s 🗌 21 Days | Othe        | !r   |                |                 |         | 40.            | roqui       |               | ina (c          | pecii  | <i>'Y)</i>   |          |             |          |          |                 |                 |       | ,           |            |               |              |             | -            |  |             |             |
| 1. Relinguisted By   |             | Dale        | , .  | Time           | 6               | =-      | 1. R           | eceive      | d By          | <del>,</del> -  |        |              |          |             |          |          |                 |                 |       |             |            |               |              |             |              |  |             |             |
| July my  |             | Date 9/27/  | 154  | 11             | 130             |         |                | R           | B,            | 2               | 11     | 51           | _        |             |          |          |                 |                 |       |             |            | ŀ             | Dale         | <b>.</b>    | أرم          | Time   |             |             |
| 4 Resignation by The Resignation of the Resignation |             | Date *      |  | , Time         | ,               |         | 2. Re          | oceive      | d By          |                 |        | <u>u</u>     | <u> </u> |             |          |          |                 |                 |       |             |            |               |              | <u> </u>    | 04           | <u>/\f</u>                                   | <u>8V</u>   |             |
| 3. Relinquished By   |             | 4-21        | 1-6 JL   |                | 40              | 2)      | W.             | caive       | Ń             | $\leq$          | ~      | ٨            |          | _           |          |          |                 |                 |       |             |            |               | Date         | 00 <i>i</i> | البيد        | Time   |             |             |
| or reministration by   |             | Date        |  | Time           | ,               |         | 3. Re          | (ei)e       | d By          |                 |        |              |          |             |          |          |                 | <del></del>     |       |             |            |               |              | 37.9        |              | <u> Ы</u>                                    | <u> 30</u>  | <u>S</u> pn |
| Comments   |             | <u> </u>    |  |                |                 | _ 1     | -              |             |               |                 |        |              |          |             |          |          |                 |                 |       |             |            | - 1'          | Date         |             | 1            | Time   |             |             |
|  |             |             |  |                |                 |         | -              |             |               |                 |        |              | _        |             |          |          |                 |                 |       |             |            |               |              |             | [            |  |             |             |



# Analytical Report

E4D280237

## ANALYTICAL REPORT

234 BRADLEY LANDFILL

Lot #: R4D280237

Ken Pierce

SCS Field Services

SEVERN TRENT LABORATORIES, INC.

Maria Friedman Project Manager

May 19, 2004

## **ANALYTICAL REPORT**

234 BRADLEY LANDFILL

Lot #: B4D280237

Bruce Matlock

Waste Management Disp. Serv.

SEVERN TRENT LABORATORIES, INC.

Maria Friedman Project Manager

May 19, 2004

# **EXECUTIVE SUMMARY - Detection Highlights**

## E4D280237

| PARAMETER                      | RESULT | REPORTING<br>LIMIT | UNITS     | ANALYTICAL<br>METHOD |
|--------------------------------|--------|--------------------|-----------|----------------------|
| PROBE E-8D 04/27/04 11:05 001  |        |                    |           |                      |
| Carbon dioxide                 | 190000 | 100                | ppm (v/v) | ASTM D1946           |
| Oxygen                         | 28000  | 1000               | ppm(v/v)  | ASTM D1946           |
| Nitrogen                       | 550000 | 10000              | ppm(v/v)  | ASTM D1946           |
| Methane                        | 180000 | 2.0                | ppm-c     | CFR60A EPA 25C       |
| Total Non-Methane Hydrocarbons | 4600   | 6.0                | ppm-c     | CFR60A EPA 25C       |
| Vinyl chloride                 | 410 G  | 25                 | ppb(v/v)  | EPA-2 TO-15          |

# ANALYTICAL METHODS SUMMARY

## E4D280237

| PARAMETE                         | R METHOD  |  |
|----------------------------------|---|--|
| Fixed Ga<br>Non-Cond<br>Volatile | ASIM D1946  |  |
| Referenc                         | es:   |  |
| ASTM                             | Annual Book Of ASTM Standards.  |  |
| CFR60A                           | "Test Methods", 40 CFR, Part 60, Appendix A, July 1, 1993   |  |
| EPA-2                            | "Compendium of Methods for the Determination of Toxic<br>Organic Compounds in Ambient Air", EPA-625/R-96/010b,<br>January 1999. |  |

# SAMPLE SUMMARY

#### B4D280237

| WO # S | AMPLE# | CLIENT SAMPLE ID | SAMPLED<br>DATE | SAMP<br>TIME |
|--------|--------|------------------|-----------------|--------------|
| GE4LA  | 001    | PROBE E-8D       | 04/27/04        | 11:05        |

#### NOTE (S):

E4 D2 0 D2 1 7

- . The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit,
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosny pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

#### SCS FIRED SERVICES

#### Client Sample ID: PROBE E-8D

## GC/MS Volatiles

Lot-Sample #...: E4D280237-001 Work Order #...: GE4LA1AE Matrix.....: AIR

Date Sampled...: 04/27/04 11:05 Date Received..: 04/27/04

Prep Date.....: 04/28/04 Analysis Date..: 04/28/04

Prep Batch #...: 4121438 Analysis Time..: 17:04

Dilution Factor: 12.5

Analyst ID....: 117751 Instrument ID.: MSB

Method..... EPA-2 TO-15

|                         |        | REPORTING   |           |
|-------------------------|--------|-------------|-----------|
| PARAMETER               | RESULT | LIMIT       | UNITS     |
| Vinyl chloride          | 410 G  | 25          | ppb (v/v) |
| 1,1-Dichloroethene      | ND G   | 25          | ppb(v/v)  |
| Methylene chloride      | IND G. | 25          | ppb (v/v) |
| 1,1-Dichloroethane      | ND G   | 25          | ppb (v/v) |
| Chloroform              | NO G   | 25          | ppb (v/v) |
| 1,1,1-Trichloroethane   | ND G   | 25          | ppb(v/v)  |
| Carbon tetrachloride    | ND G   | <b>25</b> · | ppb (v/v) |
| Benzene                 | ND G   | 25          | ppb (v/v) |
| 1,2-Dichloroethane      | ND G   | 25          | (v/v) dag |
| Trichloroethene         | ND G   | 25          | ppb (v/v) |
| Toluene                 | ND G   | 62 ·        | ppb (v/v) |
| Tetrachloroethene       | ND G   | 25          | ppb (v/v) |
| 1,2-Dibromoethane (EDB) | ND G   | 25          | ppb (v/v) |
| Chlorobenzene           | ND G   | 25          | ppb(v/v)  |
| m-Xylene & p-Xylene     | ND G   | 25          | ppb (v/v) |
| o-Xylene                | ND G   | 25          | ppb(v/v)  |
| Benzyl chloride         | ND G   | 120         | ppb (v/v) |
| 1,3-Dichlorobenzene     | N/D G  | 25          | ppb(v/v)  |
| 1,4-Dichlorobenzene     | ND G   | 25          | ppb(v/v)  |
| 1,2-Dichlorobenzene     | ND G   | 25          | ppb (v/v) |

#### NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Nitrogen

## SCS FIELD SERVICES

## Client Sample ID: PROBE E-8D

## GC Volatiles

| Lot-Sample #: Date Sampled: Prep Date: Prep Batch #: Dilution Factor: | 04/27/04 11:05<br>04/28/04<br>4120319 |                           | 04/27/04<br>04/28/04              | Matrix: AIR             |
|---|---------------------------------------|---------------------------|-----------------------------------|-------------------------|
| Analyst ID:   | 101605                                | Instrument ID.: Method:   |                                   |                         |
| PARAMETER Carbon dioxide Oxygen                                       |                                       | RESULT<br>190000<br>28000 | REPORTING<br>LIMIT<br>100<br>1000 | UNITS ppm(v/v) ppm(v/v) |

10000

ppm(v/v)

550000

Total Non-Methane Hydrocarbons 4600

as Methane

## SCS FIELD SERVICES

## Client Sample ID: PROBE E-8D

# GC Volatiles

| Date Sampled: Prep Date: | 04/27/04 11:05<br>04/29/04<br>4124547 | Work Order #: Date Received: Analysis Date: Analysis Time: | 04/27/04<br>04/29/04 | Matrix AIR  |
|--------------------------|---------------------------------------|--|----------------------|-------------|
| Analyst ID:              | -                                     | Instrument ID.:: Method:                                   |                      | 25C         |
| PARAMETER<br>Methane     | <del></del>                           | RESULT   | REPORTING LIMIT 2.0  | UNITS ppm-c |

ppm-c

SEVERN STL

QA/QC

# QC DATA ASSOCIATION SUMMARY

## E4D280237

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATRIX     | ANALYTICAL<br>METHOD | LEACH<br>BATCH # | PREP<br>BATCH # | MS RUN# |
|---------|------------|----------------------|------------------|-----------------|---------|
| 001     | AIR<br>AIR | EPA-2 TO-15          |                  | 4121438         |         |
|         |            | ASTM D1946           |                  | 4120319         | -       |
|         | AIR        | CFR60A EPA 25C       |                  | 4124547         |         |

## METHOD BLANK REPORT

#### GC/MS Volatiles

Client Lot #...: E4D280237

MB Lot-Sample #: M4D300000-438

Analysis Date..: 04/28/04

Dilution Factor: 1

Work Order #...: GFCT81AA

Prep Date....: 04/28/04

Prep Batch #...: 4121438

Analysis Time..: 11:03

Instrument ID..: MSB

Matrix..... AIR

Analyst ID....: 117751

|                         |        | REPORTI | NG        |             |
|-------------------------|--------|---------|-----------|-------------|
| PARAMETER               | RESULT | LIMIT   | UNITS     | METHOD      |
| Vinyl chloride          | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| 1,1-Dichloroethene      | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| Methylene chloride      | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| 1,1-Dichloroethane      | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| Chloroform              | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| 1,1,1-Trichloroethane   | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| Carbon tetrachloride    | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| Benzene                 | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| 1,2-Dichloroethane      | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| Trichloroethene         | ND     | 2.0     | ppb(v/v)  | EPA-2 TO-15 |
| Toluene                 | ND     | 5.0     | ppb(v/v)  | EPA-2 TO-15 |
| Tetrachloroethene       | ND     | 2.0     | ppb(v/v)  | EPA-2 TO-15 |
| 1,2-Dibromoethane (EDB) | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| Chlorobenzene           | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| m-Xylene & p-Xylene     | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| o-Xylene                | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| Benzyl chloride         | ND     | 10      | ppb (v/v) | EPA-2 TO-15 |
| 1,3-Dichlorobenzene     | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| 1,4-Dichlorobenzene     | ND     | 2.0     | ppb(v/v)  | EPA-2 TO-15 |
| 1,2-Dichlorobenzene     | ND     | 2.0     | ppb (v/v) | EPA-2 TO-15 |
| ·                       |        |         |           |             |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

#### GC Volatiles

Client Lot #...: E4D280237

MB Lot-Sample #: M4D290000-319

Work Order #...: GFE891AA

Matrix..... AIR

Prep Date....: 04/28/04

Analysis Time..: 12:34

Analysis Date..: 04/28/04 Dilution Factor: 1

Prep Batch #...: 4120319

Instrument ID..: GC3

Analyst ID....: 101605

| PARAMETER      |        | REPORTING | ;         | •          |
|----------------|--------|-----------|-----------|------------|
|                | RESULT | LIMIT     | UNITS     | METHOD     |
| Carbon dioxide | ND     | 100       | ppm(v/v)  | ASTM D1946 |
| Oxygen         | ND     | 1000      | ppm (v/v) | ASTM D1946 |
| Nitrogen       | ND     | 10000     | ppm(v/v)  | ASTM D1946 |

NOTE (S):

PAROARITA

Calculations are performed before rounding to avoid round-off errors in calculated results.

### METHOD BLANK REPORT

### GC Volatiles

Client Lot #...: E4D280237

MB Lot-Sample #: M4E030000-547

Work Order #...: GFE971AA

Analysis Date..: 04/28/04

Prep Date....: 04/28/04 Prep Batch #...: 4124547

Analysis Time..: 23:31

Dilution Factor: 1

Instrument ID..: GC3

Analyst ID....: 101605

REPORTING

PARAMETER RESULT LIMIT UNITS METHOD Methane ND 2.0 ppm-c CFR60A EPA 25C Total Non-Methane Hydroca ND 6.0 CFR60A EPA 25C ppm-c

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

### LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC/MS Volatiles

Client Lot #...: E4D280237 Work Order #...: GFCT81AC-LCS Matrix...... AIR

LCS Lot-Sample#: M4D300000-438 GFCT81AD-LCSD

Prep Date....: 04/28/04 Analysis Date..: 04/28/04
Prep Batch #...: 4121438 Analysis Time..: 09:50
Dilution Factor: 1 Instrument ID..: MSB

Analyst ID....: 117751

| PARAMETER                 | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS RP        | RPD<br>D LIMITS | METHOD                     |
|---------------------------|---------------------|------------------------------|-----------------|----------------------------|
| 1,1-Dichloroethene        | 102                 | (70 - 125)                   |                 | RPA-2 TO-15                |
|                           | 96                  | (70 - 125) 6.                | 7 (0-20)        | BPA-2 TO-15                |
| Methylene chloride        | 92                  | (75 - 120)                   |                 | EPA-2 TO-15                |
|                           | 85                  | (75 - 120) 7.3               | 1 (0-20)        | EPA-2 TO-15                |
| Trichloroethene           | . 89                | (70 - 125)                   |                 | EPA-2 TO-15                |
| Toluene                   | 97<br>20            | (70 - 125) 1.0               | 8 (0-20)        | EPA-2 TO-15                |
| 1010cue                   | 88<br>86            | (75 - 125)                   | - ()            | EPA-2 TO-15                |
| 1,1,2,2-Tetrachloroethane | 87                  | (75 - 125) 2.1<br>(65 - 130) | 8 (0-20)        | EPA-2 TO-15                |
|                           | 85                  | (65 - 130) 3.3               | 3 (0-20)        | EPA-2 TO-15<br>EPA-2 TO-15 |

NOTE (S):

10A D 7 D A A 7 A

Calculations are performed before rounding to avoid round-off errors in calculated results.

### LABORATORY CONTROL SAMPLE DATA REPORT

### GC/MS Volatiles

Client Lot #...: E4D280237 Work Order #...: GFCT81AC-LCS Matrix...... AIR

LCS Lot-Sample#: M4D300000-438 GFCT81AD-LCSD

Prep Date....: 04/28/04 Analysis Date..: 04/28/04
Prep Batch #...: 4121438 Analysis Time..: 09:50
Dilution Factor: 1 Instrument ID..: MSB

Analyst ID....: 117751

| PARAMETER                 | SPIKE<br>AMOUNT | MEASURED<br>AMOUNT | UNITS            | PERCENT<br>RECOVERY | RPD         | METHOD             |
|---------------------------|-----------------|--------------------|------------------|---------------------|-------------|--------------------|
| 1,1-Dichloroethene        | 59.2            | 60.5               | ppb(v/v)         | 102                 | <del></del> | BPA-2 TO-15        |
|                           | 59.2            | 56.6               | ppb(v/v)         | 96                  | 6.7         | EPA-2 TO-15        |
| Methylene chloride        | 58.7            | 53.8               | ppb(v/v)         | 92 <sup>.</sup>     |             | RPA-2 TO-15        |
| •                         | 58.7            | 5 <b>0.1</b> ,     | ppb(v/v)         | 85                  | 7.1         | <b>EPA-2</b> TO-15 |
| Trichloroethene           | 59.5            | 52.9               | ppb(v/v)         | 89                  |             | EPA-2 TO-15        |
|                           | 59.5            | 52.0               | <b>bbp (∧∖∧)</b> | 87                  | 1.8         | KPA-2 TO-15        |
| Toluene                   | 55.7            | 49.0               | ppb (v/v)        | 88                  |             | KPA-2 TO-15        |
|                           | 55.7            | 47.7               | bbp(a/a)         | 86                  | 2.8         | <b>EPA-2 TO-15</b> |
| 1,1,2,2-Tetrachloroethane | 55.4            | 48.4               | bbp (a\a)        | 87                  |             | EPA-2 TO-15        |
|                           | 55.4            | 46.8               | ppb (v/v)        | 85                  | 3.3         | EPA-2 TO-15        |

#### NOTE(S):

EADDOODS

Calculations are performed before rounding to avoid round-off errors in calculated results.

### LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC Volatiles

Client Lot #...: E4D280237 Work Order #...: GFE891AC~LCS Matrix.... AIR

LCS Lot-Sample#: M4D290000-319 GFE891AD-LCSD

Prep Date....: 04/28/04 Analysis Date..: 04/28/04 Prep Batch #...: 4120319

Analysis Time. .: 11:46 Dilution Factor: 1 Instrument ID..: GC3

Analyst ID....: 101605

| PARAMETER Carbon dioxide Methane | PERCENT RECOVERY 93 93 96 96 | RECOVERY LIMITS RPD (75 - 125) (75 - 125) (75 - 135) (75 - 135) (75 - 135) | ,      | METHOD ASTM D1946 ASTM D1946 ASTM D1946 |
|----------------------------------|------------------------------|--|--------|---|
|                                  |                              | (75 135) 0.12  | (0-20) | ASTM D1946                              |

Calculations are performed before rounding to avoid round-off errors in calculated results.

### LABORATORY CONTROL SAMPLE DATA REPORT

### GC Volatiles

Client Lot #...: E4D280237 Work Order #...: GFE891AC-LCS Matrix...... AIR

LCS Lot-Sample#: M4D290000-319 GFE891AD-LCSD

 Prep Date....: 04/28/04
 Analysis Date..: 04/28/04

 Prep Batch #...: 4120319
 Analysis Time..: 11:46

 Dilution Factor: 1
 Instrument ID..: GC3

Analyst ID....: 101605

|                | SPIKE   | MEASURED |           | PERCENT     |      |            |
|----------------|---------|----------|-----------|-------------|------|------------|
| PARAMETER      | TINUOMA | AMOUNT   | UNITS     | RECOVERY    | RPD  | METHOD     |
| Carbon dioxide | 10000   | 9270     | ppm (v/v) | 93          |      | ASTM D1946 |
|                | 10000   | 9300     | ppm(v/v)  | <b>93</b> · | 0.29 | ASTM D1946 |
| Methane        | 500     | 482      | ppm (v/v) | ·96         |      | ASTM D1946 |
|                | , 500   | 482      | ppm(v/v)  | 96          | 0.12 | ASTM D1946 |

NOTE (S):

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Calculations are performed before rounding to avoid round-off errors in calculated results.

### LABORATORY CONTROL SAMPLE EVALUATION REPORT

#### GC Volatiles

Client Lot #...: E4D280237 Work Order #...: GFE971AC-LCS Matrix...... AIR

LCS Lot-Sample#: M4E030000-547 GFE971AD-LCSD

 Prep Date....:
 04/28/04
 Analysis Date..:
 04/28/04

 Prep Batch #...:
 4124547
 Analysis Time..:
 22:43

Prep Batch #...: 4124547 Analysis Time..: 22:43
Dilution Factor: 1 Instrument ID..: GC3

Analyst ID....: 101605

PARAMETER RECOVERY RPD

PARAMETER RECOVERY LIMITS RPD LIMITS METHOD

Total Non-Methane Hydrocar 102 (80 - 120) CFR60A KPA 25C

Total Non-Methane Hydrocar 102 (80 - 120) CFR60A EPA 25C 102 (80 - 120) 0.020 (0-20) CFR60A EPA 25C

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

### LABORATORY CONTROL SAMPLE DATA REPORT

### GC Volatiles

Client Lot #...: E4D280237 Work Order #...: GFE971AC-LCS Matrix...... AIR

LCS Lot-Sample#: M4E030000-547 GFE971AD-LCSD

Prep Date....: 04/28/04 Analysis Date..: 04/28/04

Prep Batch #...: 4124547 Analysis Time..: 22:43
Dilution Factor: 1 Instrument ID..: GC3

Analyst ID....: 101605

SPIKE MEASURED PERCENT

PARAMETER AMOUNT UNITS RECOVERY RPD METHOD

Total Non-Methane Hydrocar 6000 6100 ppm-c 102 CFR60A EPA 25C

6000 6100 ppm-c 102 0.020 CFR60A RPA 25C

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

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# SCS FIELD SERVICES, INC. TEDLAR BAG PURGING/INSPECTION/FIELD DATA SHEET

| Site: BLRC   | Date: 4/27/04   |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|
| Start Time: 0720 HRS   | Completion Time: 0724 ARS                             |  |  |  |  |  |  |
| Technician: EANESTO MART   | INSZ Bag ID No.: BL-OO!                               |  |  |  |  |  |  |
| Visual Condition of Bag:   | AND AND AND AND AND AND AND AND AND AND               |  |  |  |  |  |  |
| Bag Leak Test: Pass Fail Bag Filled and Emptied Three Times with N <sub>2</sub> :  Bag Valve Shut Off: Yes No  | Yes 🖾 No 🖂  |  |  |  |  |  |  |
| Bag Stored and Checklist Completed: Yes  | No [  |  |  |  |  |  |  |
| Field Information  |   |  |  |  |  |  |  |
| Personnel: ERNESTO MARTINI   | · · · · · · · · · · · · · · · · · · ·                 |  |  |  |  |  |  |
| Sample Location: PROBE E-8D  | Sample No.;   |  |  |  |  |  |  |
|  |   |  |  |  |  |  |  |
|  |   |  |  |  |  |  |  |
| Sample Type: Ambient Air ISS   | LFG (Probes) Head Space                               |  |  |  |  |  |  |
| Program start date: 4/27/04 Tim  | LFG (Probes) Head Space  ne: 1105 H25.  ne: 1118 H25. |  |  |  |  |  |  |
|  | ne: <u>1105 HQS</u><br>ne: <u>1118 HQS</u> ,          |  |  |  |  |  |  |
| Program start date: 4/27/04 Tin Program stop date: 4/27/04 Tin   | ne: <u>1105 HQS</u><br>ne: <u>1118 HQS</u> ,          |  |  |  |  |  |  |
| Program start date: 4/27/04 Tim Program stop date: 4/27/04 Tim Program timer setting: Act  | ne: 1105 H05. ne: 1118 H05.  ual time:                |  |  |  |  |  |  |
| Program start date: 4/27/04 Tim Program stop date: 4/27/04 Tim Program timer setting: — Act Rotometer setting: Start — Field readings: 26.7% Methane Other (specify  Observations: 602 - 23.22 | ne: 1105 H05. ne: 1118 H05.  ual time:                |  |  |  |  |  |  |
| Program start date: 4/27/04 Tim Program stop date: 4/27/04 Tim Program timer setting: — Act Rotometer setting: Start  Field readings: 26.7% Methane Other (specify                             | ne: 1105 H05. ne: 1118 H05.  ual time:                |  |  |  |  |  |  |
| Program start date: 4/27/04 Tim Program stop date: 4/27/04 Tim Program timer setting: — Act Rotometer setting: Start — Field readings: 26.7% Methane Other (specify  Observations: 602 - 23.22 | ne: 1105 H05. ne: 1118 H05.  ual time:                |  |  |  |  |  |  |
| Program start date: 4/27/04 Tim Program stop date: 4/27/04 Tim Program timer setting: — Act Rotometer setting: Start — Field readings: 26.7% Methane Other (specify  Observations: 602 - 23.22 | ne: 1105 H05. ne: 1118 H05.  ual time:                |  |  |  |  |  |  |

# APPENDIX C INTEGRATED SURFACE EMISSION MONITORING

- Field Sheets
- Laboratory Analysis
- Sample Chain-of-Custody
- Integrated Sampling QA/QC Forms
- Instrumentation Calibration

## INTEGRATED LANDFILL SURFACE MONITORING

|             | <i>~</i>               |               |  |
|-------------|------------------------|---------------|--|
| ersonnel:   | Paul Ponce             | -Jon Sheilin  |  |
|             | Les Orc                | Craig Markley |  |
|             | AL Rodriguez           | Mike Gorgei   |  |
| Date: 4/27/ | Instrument Used: ISS f | Packs         |  |
| Temperature | •                      |               |  |

| Temper  | ature:            |               |              |            | _ ,                 |                           |         |
|---------|-------------------|---------------|--------------|------------|---------------------|---------------------------|---------|
| GRID ID | STAFF<br>INITIALS | START<br>TIME | STOP<br>TIME | TOC<br>PPM | ROTO-MTR,<br>CC/MIN | WIND SPEED,<br>MPH/DIRECT | REMARKS |
| 73      | ρρ                | 6730          | 0755         | 5          | -333                | 1/2                       |         |
| 61      | LO                | 0730          | 0755         | 4          | 1                   | 12                        |         |
| 60      | AR                | 0730          | 0755         | 5          |                     | 1/2.                      |         |
| SS      | TS                | 0730          | 0755         | _ح         |                     | 1/2                       |         |
| 52      | PP                | 0800          | 0825         | ς          |                     | 213                       |         |
| 49      | 10                | 0800          | 0825         | 4          |                     | 2/3                       |         |
| 47      | AR                | 0800          | 0825         | 5-         |                     | 2/3                       |         |
| 45      | TS                | <b>080</b> 0  | 0852         | 4          |                     | 213                       |         |
| 40      | PP_               | 0830          | 55.280       | 4          |                     | 4/3                       |         |
| 39      | LO.               | 0530          | 0855         | 5          |                     | 4/3                       |         |
| 37      | <u>AR</u>         | 0830          | 0855         | .5         |                     | 4,3                       |         |
| 23      | TS.               | 05.80         | 0855         | 5          |                     | 4/3                       |         |
| 22      | PP                | 0900          | 0925         | 5          |                     | 4,3                       |         |
|         | LO                | 0900          | 0925         | _6         |                     | 4/3                       |         |
| 21      | AR                | 0900          | 0925         | 5          |                     | 4/3                       |         |
| 20      | TS                | 0900          | 0925         | 5          |                     | 4/3                       |         |
| 5       | PP                | 0930          | 0955         | 5          |                     | 3/3                       |         |
| 4       | LO                | 0930          | 0955         | -6         |                     | 3/3                       |         |
| 3       |                   | 0130          | 0955         | 5          |                     | 3/3                       |         |
| 2       | TS<br>PP          | 0930          | 0955         | 6          | <del></del>         | 3/3                       |         |
| - 0/    |                   | 1000          | 1025         | 5          |                     | 112                       |         |
| 34      | <u>LO</u>         | 1000          | 1025         | 5          |                     | 1/2                       |         |
| 35      | AR<br>TS          | 1000          | 1025         | 5          |                     | 1/2                       |         |
| 36      |                   | 1000          | 1025         | 5          |                     | 1/2                       |         |
| 38      | CM<br>MG          | 1000          | 1025         | 4          |                     | 1/2                       |         |
| 44      |                   |               | 1025         | 5          |                     | va                        |         |
| 46      |                   | 1030          | 1055         | 5          |                     | 2/4                       |         |
| 48      | LO                | 1030          | 1055         | 5          |                     | 2,4                       |         |
|         |                   | 1030          | 1053         | 7          |                     | 2,4                       |         |
| 51      | TS                | 1030          | 1055         | 4          |                     | 214                       |         |

Attach Calibration Sheet Attach site map showing grid ID

Page 1 of 2

INTEGRATED LANDFILL SURFACE MONITORING

|             | $\sim$ 0                | - CONTINUE INCIDENTIAL |
|-------------|-------------------------|------------------------|
| ersonnel:   | - Paul Honce            | Ton Shellin            |
|             | Les Orc                 | Craia Markley          |
|             | _AL Rodriguez           | Mike Gargei            |
| Date: 4/27/ | 64 Instrument Used: ISS | ( )                    |
|             |                         |                        |

Temperature: \_\_\_\_\_

|         | <del>                                     </del> | T             |              | <del></del> |                     |                           |         |
|---------|--|---------------|--------------|-------------|---------------------|---------------------------|---------|
| GRID ID | STAFF<br>INITIALS                                | START<br>TIME | STOP<br>TIME | TOC<br>PPM  | ROTO-MTR,<br>CC/MIN | WIND SPEED,<br>MPH/DIRECT | REMARKS |
| 54      | CW   | 1030          | 10.55        | 5           | -333                | 2-4                       |         |
| 80      | MG   | 1030          | 1055         | 6           | 1                   | 214                       |         |
| 74      | PP   | 1200          | 1225         | 5           |                     | 1/3                       |         |
| 63      | 10   | 1200          | 1225         | 4           |                     | 1/3                       |         |
| 31      | AR   | 1200          | 1225         | 5           |                     | 1/3                       |         |
| 10      | TS   | 1200          | 1225         | 5~          |                     | 1/3                       |         |
| 9       | em   | 1200          | 1225         | 6           |                     | 1/3                       |         |
| 8       | MG   | 1200          | 1225         | 4           |                     | 1/3                       |         |
| 7_      | PP   | 1230          | 1255         | 5           |                     | 2,4                       |         |
| 32      | LO   | 1230          | 1255         | 5           |                     | 2/4                       |         |
| 33      | AR_  | 12:30         | 1255         | 5           |                     | 214                       |         |
| 41      | TS_  | 1230          | 1255         | 5           |                     | 2/4                       |         |
| 42      | CM   | 1230          | 1255         | 4           |                     | 2,4                       |         |
| 43      | MG   | 1230          | 1255         | 4           |                     | 214                       |         |
| 50      | PP   | 1300          | 1325         | 5           |                     | 2/5                       |         |
| 53      | 10   | 1300          | 1325         | 5           |                     | 2,5                       |         |
| 57      | AR   | 1300          | 1325         | _5          |                     | 215                       |         |
| 64      | TS   | 1300          | 1325         | 5           |                     | 215                       |         |
| 67      | _cM  | 1300          | 1325         | _5          |                     | 215                       |         |
| 71      | M6   | 1300          | 1325         | 4           |                     | 215                       |         |
| 56      | PP   | 1330          | 1355         | 4           |                     | 3/6                       |         |
| 69      | LO   | 1330          | 1355         | 6           |                     | 3/6                       |         |
| 70      | AR   | 1330          | 1355         | 5           |                     | 3/4                       | ,       |
| 75      | <u> Ts</u>                                       | 1330          | 1355         | 5           |                     | 3/6                       |         |
| 76      | cn   | 1330          | 1355         | 5~          |                     | 3-6                       |         |
| 77      | MG   | 1330          | 1355         | 5           | $\sqrt{}$           | 3/6                       |         |
|         |  |               |              |             |                     |                           |         |
|         |  |               |              |             |                     |                           |         |
|         |  |               |              |             |                     |                           |         |
|         |  |               |              |             |                     |                           |         |

Attach Calibration Sheet Attach site map showing grid ID

## INTEGRATED LANDFILL SURFACE MONITORING

| Orsonnel:   | Paul Ponce                | AL Rodriguez      |   |
|-------------|---------------------------|-------------------|---|
|             | _ Craig Mackley           | Les Orr           |   |
|             | Mike Gorgei               | John Espinoza     |   |
| Date: 4/29/ | 1 Instrument Used: OVA 13 | 28/88 - ISS Pacts | , |
| Tomporaturo |                           |                   |   |

Temperature:

| GRID ID STAFF INITIALS TIME TIME TIME PPM CC/MIN WIND SPEED, MHHDIRECT TIME TIME PPM CC/MIN WIND SPEED, MHHDIRECT TIME TIME PPM CC/MIN WIND SPEED, MHHDIRECT MHHDIRECT TIME TIME PPM CC/MIN WIND SPEED, MHHDIRECT MHHDIRECT TIME TIME TIME TIME TIME TIME TIME TIM   |          | T   | T    | <del></del>                           | · ·      | <del></del> | <del></del>                                      |         |
|--|----------|-----|------|---------------------------------------|----------|-------------|--|---------|
| 131  | GRID ID  |     |      |                                       |          |             |  | REMARKS |
| 131  | 132      | PP  | 0705 | 0730                                  | 4        | .333        | 3/10   |         |
| 127   Mb   0705   0736   3   3/6     124   AL   0705   0730   3   3/6     125   LO   0705   0730   4   3/6     124   TE   0705   0730   4   3/6     124   TE   0705   0730   4   3/6     124   TE   0705   0730   4   3/6     127   TE   0735   0800   5   3/5     118   CM   0735   0800   7   3/15     120   AL   0735   0800   7   3/15     21   LO   0735   0800   7   3/15     21   LO   0735   0800   4   3/5     112   TE   0735   0800   4   3/5     113   TE   0805   0830   5   3/5     115   CM   0805   0830   5   3/5     110   MC   0885   0830   5   3/5     110   MC   0885   0830   5   3/5     103   LO   0805   0830   5   3/5     103   LO   0805   0830   5   3/5     103   LO   0805   0830   5   3/5     99   TE   0805   0830   5   3/5     99   TE   0805   0830   5   3/5     90   CM   0835   0900   7   1/12     90   CM   0835   0900   7   1/12     91   LO   0835   0900   7   1/12     93   TE   0835   0900   7   1/12     94   CM   0905   0930   5   1/12     95   MG   0905   0930   5   1/12     95   MG   0905   0930   5   1/12     96   MG   0905   0930   5   1/12     97   KL   0905   0930   5   1/12     98   ML   0905   0930   5   1/12     102   LO   0905   0930   5   1/12     102   LO   0905   0930   5   1/12     103   LO   0905   0930   5   1/12     104   LO   0905   0930   5   1/12     105   TE   0905   0930   5   1/12     105   TE   0905   0930   5   1/12     106   TE   0905   0930   5   1/12     107   TE   0905   0930   5   1/12     108   TE   0905   0930   5   1/12     109   TE   0905   0930   5   1/12     100   LO   0905   0930   5   1/12     100   TE   0905   0930   5   1/12     100   TE   0905   0930   5   1/12     100   TE   0905   0930   5   1/12     100   TE   0905   0930   5   1/12     100   TE   0905   0930   5   1/12     100   TE   0905   0905   1/12     100   TE   0905   0905   1/12     100   TE   0905   0905   1/12     100   TE   0905   0905   1/12     100   TE   0905   0905   1/12     100   TE   0905   0905   1/12     100   TE   0905   0905   1/12     100   TE   0905   0905   1/12     100   TE   0905    | 131      | CM  | 0705 | 0730                                  |          | 1           |  |         |
| 12   | 127      | M6  |      | 0736                                  |          |             |  |         |
| 125   LO   0705   0730   Y   3/10     124   TE   0705   0730   Y   3/10     123   PP   0735   0800   5   3/15     119   CM   0735   0800   7   3/15     119   M(   | 126      | AL  | 1    | 0730                                  | 3        |             |  |         |
| 124   TE   | 125      | 40  |      | 0730                                  | 4        |             |  |         |
| 113 PP 0735 0800 5 3/5  119 MG 0735 0800 7 3/5  120 AL 0735 0800 7 3/5  21 LO 0735 0800 7 3/5  1122 JE 0735 0800 4 3/5  1132 JE 0735 0800 4 3/5  115 CM 0805 0830 5 3/5  110 MG 0805 0830 5 3/5  110 MG 0805 0830 5 3/5  106 AL 0805 0830 5 3/5  107 MG 0805 0830 5 3/5  108 LO 0805 0830 5 3/5  109 LO 0805 0830 5 3/5  99 JE 0805 0830 5 3/5  90 CM 0835 0900 5 1/2  91 LO 0835 0900 1 1/2  92 TE 0835 0900 1 1/2  93 TE 0835 0900 5 1/2  94 PP 0905 0930 5 1/2  95 MG 0905 0930 5 1/2  97 PP 0905 0930 5 1/2  98 MG 0905 0930 5 1/2  99 TE 0835 0900 5 1/2  91 MG 0905 0930 6 1/2  91 MG 0905 0930 6 1/2  91 MG 0905 0930 6 1/2   | 124      |     | 1    | 0730                                  | 4        |             |  |         |
| 118  | 123      | PP  |      | 0800                                  |          |             | <del></del>                                      |         |
| 119 M6 0735 0860 7 3/5  120 AL 0735 0860 7 3/5  21 L0 0735 0860 4 3/5  1122 JE 0735 0860 4 3/5  117 PP 0865 0830 5 3/5  115 CM 0805 0830 5 3/5  110 M6 0885 0830 5 3/5  110 M6 0885 0830 5 3/5  104 AL 0805 0830 5 3/5  108 AL 0805 0830 5 3/5  19 JE 0835 0900 5 1/2  90 cM 0835 0900 5 1/2  84 AL 0835 0900 5 1/2  87 PP 0805 0930 5 1/2  87 PP 0805 0930 5 1/2  87 PP 0805 0930 5 1/2  87 PP 0805 0930 5 1/2  87 PP 0805 0930 5 1/2  89 CM 0835 0900 5 1/2  89 CM 0835 0900 5 1/2  81 CM 0905 0930 5 1/2  89 CM 0905 0930 5 1/2  89 CM 0905 0930 6 1/2  102 CO 0905 0930 6 1/2  |          | CM  | 0735 | 0800                                  | 3        |             |  |         |
| 20 AL 0735 0860 7 3/5  21 LO 0735 0860 4 3/5  122 TE 0735 0860 4 3/5  117 PP 0805 0830 5 3/5  110 MC 0865 0830 5 3/5  110 MC 0865 0830 5 3/5  100 AL 0805 0830 5 3/5  103 100 0805 0830 5 3/5  104 10 0805 0830 5 3/5  107 TE 0805 0830 5 3/5  108 10 0835 0900 5 1/2  109 0M 0835 0900 7 1/2  85 MC 0835 0900 7 1/2  87 PP 0905 0930 5 1/2  87 PP 0905 0930 5 1/2  87 PP 0905 0930 5 1/2  87 PP 0905 0930 5 1/2  87 MG 0905 0930 6 1/2  88 MC 0905 0930 6 1/2  89 MC 0905 0930 6 1/2  89 MC 0905 0930 6 1/2  80 MC 0905 0930 6 1/2  80 MC 0905 0930 6 1/2  80 MC 0905 0930 6 1/2  80 MC 0905 0930 6 1/2  80 MC 0905 0930 6 1/2  80 MC 0905 0930 6 1/2   | <u> </u> | MG  |      | 0860                                  | 3        |             | <del></del>                                      |         |
| 1  | 20       | _AL | 0735 | 0860                                  | >        |             | <del>                                     </del> | -       |
| 117 PP 0805 0830 5 3/5  115 CM 0805 0830 5 3/5  110 MG 0885 0830 5 3/5  106 AL 0805 0830 5 3/5  1083 LO 0805 0830 5 3/5  199 JE 0805 0830 5 3/5  96 PP 0835 0200 5 1/12  90 CM 0835 0900 4 1/12  85 MG 0835 0900 4 1/12  81 LO 0835 0900 9 1/12  82 TE 0835 0900 5 1/12  83 TE 0835 0900 5 1/12  83 TE 0835 0900 5 1/12  83 TE 0835 0900 5 1/12  84 CM 0905 0930 5 1/12  85 MG 0905 0930 5 1/12  87 CM 0905 0930 6 1/12  98 MG 0905 0930 5 1/12  |          | L0  | 0735 | 0800                                  | 4        |             | <del></del>                                      |         |
| 117 PP 0865 0830 5 3/5  115 CM 0805 0830 5 3/5  110 MC 0865 0830 5 3/5  106 AL 0805 0830 5 3/5  107 DE DEOS 0830 5 3/5  108 PP 0835 0900 5 3/5  109 CM 0835 0900 9 1/2  85 MC 0835 0900 9 1/2  87 AL 0835 0900 9 1/2  87 PP 0905 0930 5 1/2  87 PP 0905 0930 5 1/2  87 PP 0905 0930 5 1/2  87 CM 0905 0930 5 1/2  98 MC 0905 0930 6 1/2  98 MC 0905 0930 6 1/2  98 MC 0905 0930 5 1/2  |          | JE  | 0735 | 0860                                  | 4        |             | 3//5   |         |
| 115 CM 0805 0830 S 3/5  110 MG 0865 0830 S 3/5  106 AL 0805 0830 S 3/5  103 LO 0805 0830 S 3/5  99 JE 0805 0830 S 3/5  90 PP 0835 0900 S 1/2  90 CM 0835 0900 Y 1/2  85 MG 0835 0900 Y 1/2  87 AL 0835 0900 Y 1/2  87 PP 0905 0900 S 1/2  87 PP 0905 0930 S 1/2  89 LO 0905 0930 S 1/2  98 MG 0905 0930 S 1/2  98 MG 0905 0930 S 1/2  98 KL 0905 0930 S 1/2  98 KL 0905 0930 S 1/2   | 1        | PP_ | 0805 | 0830                                  | 5        |             |  |         |
| 110 MC 0866 9830 5 3/5  106 AL 0805 9830 6 3/5  103 L0 0805 9830 5 3/5  99 JE 0805 9830 5 3/5  90 PP 0835 0900 5 1/2  90 cm 0835 6900 9 1/2  85 MC 0835 0900 9 1/2  84 AL 0835 0900 9 1/2  87 PP 0835 0900 5 1/2  87 PP 0905 0930 5 1/2  89 CM 0965 0930 5 1/2  98 MC 0965 0930 6 1/2  98 MC 0905 0930 6 1/2  102 L0 08905 0930 5 1/2  | 115      |     | 0802 | 0830                                  | 5        |             | <del> </del>                                     |         |
| 106 AL 0805 0830 ( 3/5)  103 LO 0805 0830 5 3/5  99 JE 0805 0830 5 3/5  96 PP 0835 0900 5 1/12  85 M6 0835 0900 9 1/12  81 LO 0835 0900 9 1/12  81 LO 0835 0900 9 1/12  82 JE 0835 0900 5 1/12  83 JE 0835 0900 5 1/12  87 PP 0905 0930 5 1/12  89 CM 0905 0930 5 1/12  98 M6 0905 0930 6 1/12  102 LO 6905 0930 5 1/12  | 110      | MG  | 0865 | 2830                                  | 5        |             |  |         |
| 103   Lo   0805   0830   5   3/5   99   TE   0805   0830   5   3/5   99   9835   0900   5   1/12   90   0835   0900   9   1/12   95   MG   0835   0900   9   1/12   93   TE   0835   0900   9   1/12   93   TE   0835   0900   9   1/12   93   TE   0835   0900   5   1/12   93   CM   0905   0930   5   1/12   93   CM   0905   0930   6   1/12   93   MG   0905   0930   6   1/12   102   LO   0905   0930   5   1/12   102   LO   0905   0930   5   1/12   102   LO   0905   0930   5   1/12   102   LO   0905   0930   5   1/12   102   LO   0905   0930   5   1/12   103   105   10 | ,        | AL  | 0805 | 10                                    | 6        |             |  |         |
| 99 TE 0805 0830 5 3/5  96 PP 0835 0900 5 1/12  90 cm 0835 0900 9 1/12  85 M6 0835 0900 9 1/12  84 AL 0835 0900 5 1/12  81 L0 0835 0900 9 1/12  83 TE 0835 0900 5 1/12  87 PP 0905 0930 5 1/12  89 KC 0905 0930 6 1/12  102 L0 08905 0930 5 1/12  | 103      | LO_ | 0805 | 0830                                  | 5        |             |  |         |
| 96 PP 0835 0900 5 1/12 90 cm 0835 6900 4 1/12 85 M6 0835 0900 9 1/12 84 AL 0835 0900 5 1/12 81 L0 0835 0900 9 1/12 83 TE 0835 0900 5 1/12 87 PP 0905 0930 5 1/12 89 CM 0905 0930 5 1/12 98 M6 0905 0930 6 1/12 98 M6 0905 0930 6 1/12  |          | JE  | 0805 | 0830                                  | 5        |             |  |         |
| 90 cm 0835 c900 9 1/12  85 M6 0835 0900 9 1/12  84 AL 0835 0900 5 1/12  81 L0 0835 0900 9 1/12  83 JE 0835 0900 5 1/12  87 PP 0905 0930 5 1/12  89 CM 0965 0930 5 1/12  98 M6 0965 0930 6 1/12  102 L0 6905 0930 5 1/12  | 96       | PP  | 0835 | 0900                                  | 5        |             |  |         |
| 85 M6 0835 0900 9 1/12<br>84 AL 0835 0900 9 1/12<br>81 L0 0835 0900 5 1/12<br>83 TE 0835 0900 5 1/12<br>87 PP 0905 0930 5 1/12<br>89 CM 0965 0930 5 1/12<br>98 AL 0905 0930 6 1/12<br>102 L0 6905 6930 5 1/12  |          | cM  | 0835 | 0900                                  | 4        |             | 1/12   |         |
| 84 AL 0835 0900 5 1/12<br>81 LO 0835 0900 9 1/12<br>83 JE 0835 0900 5 1/12<br>87 PP 0905 0930 5 1/12<br>89 CM 0965 0930 5 1/12<br>95 MG 0965 0930 6 1/12<br>102 LO 6905 0930 5 1/12  | 85       | MG  | 0835 | 0900                                  | 4        |             | 1/12   |         |
| 91 LO 0835 0900 9 1/12<br>93 JE 0835 0900 5 1/12<br>97 PP 0905 0930 5 1/12<br>99 CM 0905 0930 5 1/12<br>95 MG 0905 0930 6 1/12<br>102 LO 0905 0930 5 1/12  | 84       | AL  | 0835 | 0900                                  | <u>}</u> |             | 1/12   |         |
| 93 JE 0835 0900 5 1/12<br>87 PP 0905 0930 5 1/12<br>89 CM 0965 0930 5 1/12<br>95 MG 0965 0930 6 1/12<br>98 ML 0905 0930 6 1/12   | 81       | LO  | 0835 | 0900                                  | 4        |             | 1/12   |         |
| 87 PP 0908 0930 5 1/12<br>89 CM 0905 0930 5 1/12<br>95 MG 0905 0930 6 1/12<br>102 CO 0905 0930 5 1/12  | 83       | TE  | 0835 | 0900                                  | 5        |             |  |         |
| 99 CM 0965 0930 5 1/12<br>95 MG 0965 0930 6 1/12<br>98 ML 0905 0930 6 1/12<br>102 LO 6905 6930 5 1/12  | 87       | PP  | 0905 |                                       |          |             |  |         |
| 95 MG 0965 0930 G 1/12<br>98 MC 0905 0936 G 1/12<br>102 CO 6905 6930 5 1/12  | 89       | cM  |      | 3                                     | 5        |             | 1/12   |         |
| 98 AL 0905 0936 6 11/2<br>102 LO 6905 6936 5 1/12  | 95       | MG  |      |                                       |          |             | 1/12   |         |
| 102 10 6905 6930 5 1/12  | 98       |     |      |                                       |          |             | 1/12   |         |
| 100 70   | 102      |     |      | · · · · · · · · · · · · · · · · · · · |          |             | 1/12   |         |
|  | 105      |     |      |                                       |          |             | 1/12   |         |

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# INTEGRATED LANDFILL SURFACE MONITORING

| ersonnel:    | Paul Ponce<br>Craig Markday | AL Rodaguez             |  |
|--------------|-----------------------------|-------------------------|--|
|              | Mike Corges                 | John Espinoza           |  |
| Date: 4 /29/ | Instrument Used:            | OVA 128 /88 - ISS Packs |  |

Temperature:

|         | <del>T</del>      | <del></del>   | <del></del> |            |                     |                           |                                       |
|---------|-------------------|---------------|-------------|------------|---------------------|---------------------------|---------------------------------------|
| GRID ID | STAFF<br>INITIALS | START<br>TIME | STOP        | TOC<br>PPM | ROTO-MTR,<br>CC/MIN | WIND SPEED,<br>MPH/DIRECT | REMARKS                               |
| 109     | PP                | 0935          | 000         | 4          | ,333                | 1/10                      |                                       |
| 114     | CM                | 0935          | 1000        | 4          | 1                   | 1/10                      |                                       |
| 116     | MG                | 0935          | 1000        | 3          |                     | 1/10                      |                                       |
| 113     | AL                | 0935          | 1000        | 3          |                     | 1/10                      |                                       |
| 108     | 10                | 0939          | 1000        | 3          |                     | 1/10                      |                                       |
| 104     | JE                | 0935          | 1000        | 4          |                     | 1/10                      |                                       |
| 101     | PP                | 1005          | 1030        | 3          |                     | 1/2                       |                                       |
| 97      | CM                | 1005          | 1030        | 4          |                     | 2/0                       |                                       |
| 94      | MG                | 1005          | (030        | 5          |                     | 2/6                       |                                       |
| 8.8     | AL                | 1005          | 1030        | 4          |                     | 2/6                       |                                       |
| 86      | LO                | 1005          | 1030        | 3          |                     | 216                       |                                       |
| 82      | JE_               | 1005          | (070        | 7          |                     | 2/6                       |                                       |
| 79      | PP                | 1035          | 1160        | 5          |                     | 3/5                       |                                       |
| 78      | CM                | 1035          | 1100        | 5          |                     | 2 /                       |                                       |
| 93      | MG                | 1035          | (100        | 5          |                     | 3/5                       |                                       |
| 107     | AL                | 1035          | 1100        | 5          |                     | 3/5                       | · ·                                   |
| 111     | LO                | 1035          | 100         | 6          |                     | 3/5                       |                                       |
| 112     | JE                | 1035          | 100         | 5          |                     | 3/5                       |                                       |
| 128     | PP                | 1200          | 1225        | L          |                     | 1/1                       |                                       |
| 129     | CM                | 1200          | 1225        | 5          |                     | 1/7                       |                                       |
| 130     | MG                | 1200          | 1225        | 4          |                     | 1/7                       |                                       |
| 100     | AL                | 1200          | 1225        | 3          |                     | 17                        |                                       |
| 92      | LO                | 1200          | 1225        | 3          |                     | 1/1                       |                                       |
| 91      | JE                | 1200          | 1225        | 4          |                     | 1/1                       |                                       |
| 62      | PP                | 1236          | 1255        | 5-         |                     | 14                        |                                       |
| 30      | CM                | 1230          | 1255        | 2          | <del>-   -  </del>  | 1/7                       | · · · · · · · · · · · · · · · · · · · |
| 29      | 16                | 1230          | 1255        | 4          |                     |                           |                                       |
| 28      | <i>t</i> L        | 1230          | 1255        | 4          |                     |                           |                                       |
| 27      | LO                | 1230          | 1255        | 5          | <del>  </del> -     | 1/7                       |                                       |
| 26      | TE                | 1230          | 1255        | 5.         |                     | 1/1                       |                                       |
|         |                   |               |             | <u> </u>   |                     | 1/ 1                      | ŀ                                     |

Accach Calibration Sheet Attach site map showing grid ID

## INTEGRATED LANDFILL SURFACE MONITORING

|              | Paul Ponce            | N P L          |   |
|--------------|-----------------------|----------------|---|
| ersonnel:    | Craig Markley         | AL Rodriguez   |   |
|              | Mike Gorgei           |                |   |
| Datas        |                       | John Espinoza  |   |
| Date: 4/29/6 | Instrument Used: 1555 | Packs JOUA 128 | - |
| Temperature  |                       |                |   |

| <u> </u>    | <u> </u>          | T             | 7            | · · · · · · · · · · · · · · · · · · · | <u> </u>            |                           |         |
|-------------|-------------------|---------------|--------------|---------------------------------------|---------------------|---------------------------|---------|
| GRID ID     | STAFF<br>INITIALS | START<br>TIME | STOP<br>TIME | TOC<br>PPM                            | ROTO-MTR,<br>CC/MIN | WIND SPEED,<br>MPH/DIRECT | REMARKS |
| 25          | PP                | 1300          | 1325         | 4                                     | .333                | 2/7                       |         |
| 19          | CM                | 300           | 1325         | 4                                     | 1                   | 277                       |         |
| 11          | MC                | 1300          | 1325         | سى                                    |                     | 2/7                       |         |
| 12          | AL                | 1300          | 1325         | 5                                     |                     | 2/7                       |         |
| 13          | L0                | 1300          | 1325         | 5                                     |                     | 2.7                       |         |
| 14          | JE                | 1360          | 1325         | 4                                     | .3                  | 2/7                       |         |
| 12          | NG                | 1336          | 1355         | 5                                     |                     | 216                       |         |
| 16          | AL                | 1330          | 1355         | 5                                     |                     | 216                       |         |
| 17          | ری                | 1330          | 1355         | 5                                     |                     | 2-6                       |         |
| 18          | JE                | 1330          | 1355         | 5                                     |                     | 216                       | -       |
| <del></del> |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              |                                       |                     |                           |         |
|             |                   |               |              | <del></del>                           |                     |                           |         |

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INTEGRATED LANDFILL SURFACE MONITORING

| ersonn         | el: ——             | Paul F        | bace         |            |                     |                           |        |         |
|----------------|--------------------|---------------|--------------|------------|---------------------|---------------------------|--------|---------|
| oate: 4        | / <u>29/04</u> Ins | strument      | Used:        |            |                     |                           |        |         |
|                | ture:              |               |              |            |                     |                           | -      |         |
| GRID ID        | STAFF<br>INITIALS  | START<br>TIME | STOP<br>TIME | TOC<br>PPM | ROTO-MTR,<br>CC/MIN | WIND SPEED,<br>MPH/DIRECT |        | REMARKS |
| 58<br>65<br>68 |                    |               |              |            |                     |                           | Active | Domping |
| 72<br>59       |                    |               |              |            |                     |                           |        |         |
| 66             |                    |               |              |            |                     |                           | V      |         |
|                |                    |               |              |            |                     |                           |        |         |
|                |                    |               |              |            |                     |                           |        |         |
|                |                    |               |              |            |                     | ·                         |        |         |
|                |                    |               |              |            |                     |                           |        |         |
|                |                    |               |              |            |                     |                           |        |         |
|                |                    |               |              |            |                     |                           |        |         |
|                |                    |               |              |            |                     |                           |        |         |
|                |                    |               |              |            |                     |                           |        |         |
|                |                    |               |              |            |                     |                           |        |         |

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# **OVA CALIBRATION LOG**

Landfill:

Bradley

| OPERATOR<br>Initials | DATE           | Battery<br>Check | FLOW<br>METER | 10           | ZONE<br>READIN<br>100 | 1000           |              | l              | CH4 CALI<br>Uncorreg | TED READ!    | AS<br>INGS     | <del></del>    |              | <del></del>    | CH4 CALII<br>Correcti | RATION C          | <b>48</b>       |         | 3P              | T. CALIBR  | ATION        |
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| <u> </u>             | <del> </del>   |                  | HEADING       | PPM          | PPM                   | PPM            | PPM          | LOW            |                      | MED          |                | ligh           |              | LOW            | ADMINERAL             | IED<br>In Weveniw | 48              |         |                 | CHECK  |              |
| PP                   | 1/27           | 0k               | 1.5           |              |                       |                | PPM          | ACT            | PPM                  | ACT          | PPM            | ACT            | PPM          | ACT            | PPM                   | ACT               | H               | IGH .   |                 |  |              |
|                      | 109            |                  | <u> </u>      | <del></del>  | <del> </del>          |                |              |                | 50                   | 50           |                |                |              |                |                       |                   | PPM             | ACT     | PPM             | PPM  | PP           |
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# **OVA CALIBRATION LOG**

Landfill:

Bradley

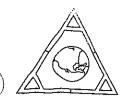
| OPERATOR<br>INITIALS | DATE        | BATTERY<br>CHECK | FLOW<br>METER | 10             | ZONE<br>READING<br>100 | 1000 JOHN UNIONALUTED READINGS CONDENSATION CAS  |              |               |                | CAS              | <del></del>  | 3PT. CALIBRATION |  |               |             |             |              |               |              |              |  |
|----------------------|-------------|------------------|---------------|----------------|------------------------|--|--------------|---------------|----------------|------------------|--------------|------------------|--|---------------|-------------|-------------|--------------|---------------|--------------|--------------|--|
| 00                   | 27          |                  | READING       | PPM            | PPM                    | PPM  | PPM          |               |                | MED              | H            | IGH              | <del>                                     </del> | LOW           | CONNECT     | IL HEADIN   |              |               |              | CHECK        | HITOM  |
| VP_                  | 1/29/00     | OK               | 1.5           |                |                        | 7 7 23   | FFRI         | ACT           | PPM            | ACT              | PPM          | ACT              | PPM  | ACT           | PPM         | ACT         | HOTE         | KGH           |              |              |  |
|                      | 1. 101      |                  |               |                |                        |  |              | <del> </del>  | 50             | 50               |              |                  |  |               |             |             | PPM          | ACT           | PPM          | PPM          | PPI  |
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| GRID#                         |         |   |                     |
|-------------------------------|---------|---|---------------------|
|                               | 88      |   | DATE: 4-29-04       |
| SAMPLE#                       | -       | <del></del>   | FLOW START: .333 cc |
| CLASS #                       |         | <del></del>   | FLOW STOP: 337 cc   |
| BAG#                          |         |   | TIME START: 1005    |
| SAMPLER#                      |         |   | TIME STOP: /030     |
| WIND SPEED                    |         | _mph ·  | BAG STATUS:         |
| WIND DIRECTION                |         | 16 pt   | ← FULL () 3/4       |
| METHANE<br>CONCENTRATION      | :_ '4   | _ppm  | () 1/2 () 1/4       |
| ΓΕCHNICIAN: (Sigr             | nature) | lef   |                     |
|                               |         |   | •                   |
| HE TECHNICIAN                 | ESSION: | PECTING FOR THE FOLLOW<br>2. SHRINKAGE CRACKS;<br>5. EXCESSIVELY DRY OR V<br>7. COVER SOIL EROSIONS | 2 (112 (22)         |
| SURFACE DEPRE<br>RODENT BURRO |         |   |                     |
| SURFACE DEPRE                 |         |   |                     |



| GRID#   | 86                | <del></del>  | DATE:          | 29-04                                 |
|---|-------------------|--|----------------|---------------------------------------|
| SAMPLE#   |                   |  | FLOW START:    |                                       |
| CLASS#  | <del></del>       | ···  | FLOW STOP:     | <u></u>                               |
| BAG#  | <del></del>       | ···  | TIME START:_   |                                       |
| SAMPLER#  | 14                |  | TIME STOP:/    | · · · · · · · · · · · · · · · · · · · |
| WIND SPEED  |                   | mph  | BAG STATUS:    | <i></i>                               |
| WIND DIRECTION  |                   | 16 pt  | () FULL        | ( ) 3/4                               |
| METHANE<br>CONCENTRATION                                  |                   |  | ( ) 1/2        | ( ) 1/4                               |
| TECHNICIAN: (Sign   | nature)/          | ld for   | <del>-</del> , |                                       |
| THE TECHNICIAN  SETTLEMENT CI  SURFACE DEPRE RODENT BURRO | RACKS;<br>ESSION: | SPECTING FOR THE FOLLOWING:<br>2. SHRINKAGE CRACKS;<br>5. EXCESSIVELY DRY OR WET A<br>7. COVER SOIL EROSIONS | 2 CITE CODIC   |                                       |
| COMMENTS:   |                   |  |                |                                       |
|   | ž.                |  |                |                                       |



# Atm AA inc.

23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250

environmental consultants laboratory services

May 10, 2004

LTR/251/04

Debby Sederholm SCS Field Services, Inc. 3711 Long Beach Blvd., 9th Floor Long Beach, CA 90807

re: Bradley samples

Dear Debby:

Please find enclosed a copy the laboratory analysis reports, quality assurance summaries, and the chain of custody forms for two ISS and four ambient air Tedlar bag samples received April 30 & May 4, 2004.

The Tedlar bag samples were analyzed for SCAQMD 1150.1 components, methane, and total gaseous non-methane organics (TGNMO) as requested on the chain of custody forms.

The original Bradley reports were sent to Bruce Matlock at Bradley Landfill.

Sincerely,

AtmAA, Inc.

Michael L. Porter Laboratory Director

Encl. MLP/bwf



Atm AA Inc.

23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250

### LABORATORY ANALYSIS REPORT

environmental consultants laboratory services

SCAQMD Rule 1150.1 Components Analysis in Integrated Surface Tedlar Bag Samples

Report Date: May 5, 2004

Client: Waste Management Project Location: Bradley Landfill

Date Received: April 30, 2004 Date Analyzed: April 30-May 3, 2004

AtmAA Lab No.: Sample I.D.: 01214-16 01214-17 ISS ISS

| •                     | 1              | , ,,,,,       |
|-----------------------|----------------|---------------|
| Componente            | Grid 88        | Grid 86       |
| Components            | (Concentration | on in ppmv)   |
| Methane               | 1.90           | 4 04          |
| TGNMO                 |                | 1.81          |
| CHINO                 | 1.09           | 1.50          |
| ••                    | (Concentration | on in noby) . |
| Hydrogen sulfide      | <50            | <50           |
| Benzene               | 0.24           | 0.28          |
| Benzylchloride        | · <0.5         | <0.5          |
| Chlorobenzene         | <0.1           | <0.1          |
| Dichlorobenzenes*     | <1.1           | <1.1          |
| 1,1-dichloroethane    | <0.1           | <0.1          |
| 1,2-dichloroethane    | <0.1           | <0.1          |
| 1,1-dichloroethylene  | <0.1           | <0.1          |
| Dichloromethane       | 0.14           | 0.22          |
| 1,2-dibromoethane     | <0.1           | <0.1          |
| Perchloroethene       | <0.1           | <0.1          |
| Carbon tetrachloride  | 0.12           | 0.12          |
| Toluene               | 1.86           | 0.96          |
| 1,1,1-trichloroethane | <0.1           | <0.1          |
| Trichloroethene       | <0.1           | <0.1          |
| Chloroform            | <0.1           | <0.1          |
| Vinyl chloride        | <0.1           | <0.1          |
| m+p-xylenes           | 0.46           | 0.48          |
| o-xylene              | 0.10           | 0.10          |

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.

Michael L. Porter Laboratory Director

<sup>\*</sup> total amount containing meta, para, and ortho isomers

# QUALITY ASSURANCE SUMMARY (Repeat Analyses)

Project Location: Bradley Landfill Date Received: April 30, 2004 Date Analyzed: April 30-May 3, 2004

| Components            | Sample<br>ID | Run#1       | at Analysis<br>Run #2  | Mean<br>Conc.        | % Diff.<br>From Mean |
|-----------------------|--------------|-------------|------------------------|----------------------|----------------------|
| Methane               | Grid 88      | 1.92        | ncentration in<br>1.89 | <i>ppmv)</i><br>1.90 | 0.79                 |
| TGNMO                 | Grid 88      | 1.04        | 1.14                   | 1.09                 | 4.6                  |
| Hydrogen sulfide      | ' Grid 88    | (Coi<br><50 | ncentration in<br><50  | ppbv)                |                      |
| Benzene               | Grid 88      | 0.22        | 0.25                   | 0.24                 | 6.4                  |
| Benzylchloride        | Grid 88      | <0.5        | <0.5                   | 0.24                 | 6.4                  |
| Chlorobenzene         | Grid 88      | <0.1        | <0.1                   |                      | <del></del>          |
| Dichlorobenzenes      | Grid 88      | <1.1        | ·<1.1                  |                      |                      |
| 1,1-dichloroethane    | Grid 88      | <0.1        | ~····                  |                      |                      |
| 1,2-dichloroethane    | Grid 88      | <0.1        | <0.1                   |                      |                      |
| 1,1-dichloroethylene  | Grid 88      | <0.1        | <0.1                   |                      |                      |
| Dichloromethane       | Grid 88      | 0.13        | 0.15                   | 0.14                 | <br>                 |
| 1,2-dibromoethane     | Grid 88      | <0.1        | <0.1                   | 0.14                 | 7.1                  |
| Perchloroethene       | Grid 88      | <0.1        | <0.1                   |                      | <del></del>          |
| Carbon tetrachloride  | Grid 88      | 0.12        | 0.12                   | 0.12                 | 0.0                  |
| Toluene               | Grid 88      | 1.77        | 1.94                   | 1.86                 | 0.0                  |
| 1,1,1-trichloroethane | Grid 88      | <0.1        | <0.1                   | *.00                 | 4.6                  |
| Trichloroethene       | Grid 88      | <0.1        | <0.1 ·                 |                      | <b></b>              |
| Chloroform            | Grid 88      | <0.1        | <0.1                   |                      |                      |
| Vinyl chloride        | Grid 88      | <0.1        | <0.1                   |                      |                      |
| m+p-xylenes           | Grid 88      | 0.42        | 0.49                   | 0.46                 |                      |
| o-xylene              | Grid 88      | 0.10        | 0.49                   | 0.46                 | 7.7                  |
| Two To Head           | ·            | · 10        | 0.10                   | 0.10                 | 0.0                  |

Two Tedlar bag samples, laboratory numbers 01214-(16 & 17), were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 8 repeat measurements from two Tedlar bag samples is 3.9%.



| Client/Proje                  |                                       |                                       | CHA                  | <u>VIN</u> OF | Cira          | TODY F            | (ECOF   | SD ·           |               |          |              |                                       |          | pa          |   |
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|                               |                                       |                                       | Project Locat        | tion          |               |                   |   |                | <del></del> - |          | <del>/</del> |                                       |          |             | )   |
| SCS /Wo                       | stemano                               | igner f                               | Brac                 | Ney           | 1             | -cnd fill         |   | ٠              |               |          |              | ANA                                   | LYSE     | ΞS          |   |
| 1150.1                        |                                       |                                       | Field Logbook N      | 10.           |               |                   |   |                |               | /        | 7            | 7                                     | 7        | 7           |   |
| Sampler: (Print)              |                                       |                                       | (Signature)          |               | <del></del>   |                   |   |                |               |          |              | /                                     | /        |             |   |
| Paul Po                       | jce                                   |                                       | Politica             |               |               | - 1               | No. 01 Co                                       | ntainers       | 7             | 9/ S     |              |                                       |          |             |   |
| Sample No./<br>Identification | Date                                  | Time                                  | Lab Sample<br>Number | ·             |               | Type of<br>Sample | <u> </u>  | 7              |               |          |              | //                                    | / /      |             |   |
| Grid 88                       | 4/29/04                               | 1005-1030                             | 0014-16              |               | 750           |                   |   | <del>/</del> - | <del>/</del>  |          |              | _                                     | _        | Rer         | narks   |
| Grid 86                       | 4/29/04                               | 1005-1030                             | 0/214-17             |               | 75°           |                   |   | +              | *             | 4        |              |                                       |          |             |   |
|                               |                                       |                                       |                      |               |               |                   | <del>                                    </del> | -              | -4-           |          |              |                                       |          | <u> </u>    |   |
|                               |                                       |                                       |                      | 4 1           |               |                   |   |                |               |          |              |                                       |          | <del></del> | <u>, , , , , , , , , , , , , , , , , , , </u> |
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| Relinquished by: (Sig.        | nature)                               |                                       |                      | Date          |               | Time              | Receive   | ed by: (Si     | gnature)      |          |              |                                       |          |             |   |
| Relinquished by: (Sign        | antum)                                |                                       |                      | 14/3          | 0/64          | 8:33              | fin   | r fo           | rjon          | es,      |              |                                       |          | Date 4-30   | Time<br>OF77                                  |
| remyiquioned by: (Sigi        | iaturej                               | ; <u>-</u>                            |                      | Date          |               | Time              | 1. •  | d by: (Si      | •             |          |              | <del></del>                           |          | Date        | Time  |
| Relinquished by: (Sigr        | nature)                               | -                                     |                      |               |               |                   | 1   |                |               | •        |              |                                       |          | 4.300       | 1   |
|                               | •                                     |                                       |                      | Date          |               | Time              | Receive   | d for Lab      | oratory:      | (Signatu | re)          |                                       |          | Date Date   | 7 /2:15<br>Time                               |
| Sample Disposal Meth          | od:                                   |                                       |                      | Disas         | A 4           | (3)               |   |                |               | ,        |              | •                                     |          |             |   |
|                               |                                       |                                       |                      | :<br>Dispos   | ea oi D       | y: (Signature)    |   |                |               |          |              |                                       |          | Date        | Time  |
| Sample Collector              |                                       |                                       | <del></del>          | Analytic      | cai Lab       | oratory .         | <del></del> -                                   |                |               |          |              | · · · · · · · · · · · · · · · · · · · |          |             |   |
|                               | PRE                                   |                                       |                      |               |               | ttmaa             |   |                |               |          |              |                                       |          |             |   |
| 1                             | Environ-                              | montal I                              |                      |               | ſ             | 1 114144          |   |                |               |          |              |                                       | ŀ        | •           |   |
| -                             | 865 Via Lata • Co                     | mental Inc<br>piton, California 92324 | :                    | 1             |               |                   |   |                |               |          |              |                                       | -        |             | · · · · · · · · · · · · · · · · · · ·         |
|                               | (909) 422-1001                        | Fax (909) 422-0707                    |                      |               |               |                   |   |                |               |          |              |                                       |          |             |   |
|                               | · · · · · · · · · · · · · · · · · · · | •                                     |                      |               |               |                   |   |                |               |          |              |                                       |          |             |   |

1 1

# APPENDIX D INSTANTANEOUS SURFACE EMISSION MONITORING

- Field Sheets
- Instrumentation Calibration

# INSTANTANEOUS LANDFILL SURFACE MONITORING

| Downsta     | Paul Ponce            | 100                      |  |
|-------------|-----------------------|--------------------------|--|
| Personnel:  | Bart Cerini           | Les Orr<br>Craig Markley |  |
|             | John Espinoza         | Mike Gamei               |  |
| Date: 4/22/ | Instrument Used: OVA- | 88/128                   |  |
| Temperature |                       |                          |  |

| n        |                   |               |              |            |                                  |
|----------|-------------------|---------------|--------------|------------|----------------------------------|
| GRID ID  | STAFF<br>INITIALS | START<br>TIME | STOP<br>TIME | TOC<br>PPM | REMARKS                          |
| 132      | PP                | 0715          | 0730         | 5          |                                  |
| 131      | BC                | 0715          | 0730         |            |                                  |
| 127      | JE                | 0715          | 0730         |            |                                  |
| 126      | 10                | 0715          | 6730         | 5          |                                  |
| 125      | PP                | 0730          | 0745         |            |                                  |
| 119      | BC                | 0730          | 0745         |            |                                  |
| 120      | JE                | 0730          | 0745         | 5          | ·                                |
| 121      | 40                | 0730          |              | 5          | ·                                |
| 122      | PP                | 0745          | 0800         |            |                                  |
| 117      | <b>BC</b>         | 0745          | 0800         | 5          |                                  |
| اکلا     | JE                | 0745          | 0800         | 3,000      | 5.00 - 15                        |
| <u> </u> | 40                | 0745          | 0800         | 5          | Sump 15 and spot N of it. (soft) |
| 106      | PP                | 0800          | 0815         | S          |                                  |
| 103      | BC                | 0800          | 0812         | 5          |                                  |
| 99       | JE.               | 0800          | 0812         | 5          |                                  |
| 96       | LO                | 0800          | 0815         | 5          |                                  |
| 90       | PP                | 0815          | 0830         | 5          |                                  |
| 85       | BC                | 0815          | 0830         | 5          | ·                                |
| 84       | JE                | 0815          | <b>0</b> 830 | 5          |                                  |
| 81       | LO                | 0815          | 0830         | 5          |                                  |
| 61       | PP                | 0830          | 2480         | 5          | ·                                |
| 60       | BC                | 0830          | 0845         | 5          |                                  |
| 55       | JE                | 0830          | 0845         | 5          |                                  |
| 5.2      | 40                | 1             | 0845         | 5          |                                  |
| 49       | CM                |               | 0845         | 5          |                                  |
| 47       | MG                |               | 0845         | _5         |                                  |
| 40       |                   |               | 0900         | 5          |                                  |
| 45       | BL                | 0845          | 0700         | 5          |                                  |
| 39       |                   | 0845          | 0900         | 5          |                                  |
| 37       | LO                | : 1           | G 0 P O      | 500        |                                  |
|          |                   |               |              | 2001       | well 36 s/o                      |

Att Calibration Sheet
Att Site map showing grid ID

## INSTANTANEOUS LANDFILL SURFACE MONITORING

|             | $D_{c} + D_{c}$             |  |
|-------------|-----------------------------|--|
| Personnel:  | - Paul Ponce Les Occ        |  |
|             | Bart Cerini Craig Markley   |  |
|             | John Espinoza Mike Gorgei   |  |
| Date: 4/22/ | Instrument Used: OVA 88/128 |  |
| Temperature | •                           |  |

|         | <del></del>       | <del></del>   | · · · · · · · · · · · · · · · · · · · |             |         |
|---------|-------------------|---------------|---------------------------------------|-------------|---------|
| GRID ID | STAFF<br>INITIALS | START<br>TIME | STOP<br>TIME                          | TOC<br>PPM  | REMARKS |
| 23      | CM                | 0845          | 0900                                  | 15          |         |
| 22      | MG                | 0845          | 0900                                  | 5           |         |
| 24      | OP                | 0900          | 0915                                  | 5           |         |
| 21      | BC                | 0900          | 0915                                  | 5           |         |
| 20      | JE                | 0900          | 0915                                  | 5           |         |
| 6       | L6                | 0900          | 0915                                  | 5           |         |
|         | CM                | 0900          | 0915                                  | 5           |         |
| 4       | MG                | 0900          | 0915                                  | 5           |         |
| 33      | PP                | D915          | 0930                                  |             |         |
| 2       | BC                | 0915          | 0930                                  | حی          |         |
|         | JE_               | 7.190         | 0930                                  | 5           |         |
| 74_     | 40                | 2160          | 0730                                  | 3           |         |
| 35      | cM                | 0915          | 0930                                  | 5           |         |
| 36      | MG                | 0915          | 0930                                  | 5           |         |
| 38      | PP                | 0930          | 0945                                  | 5           |         |
| 44      | BL                |               | 0945                                  | 5           |         |
| 46      | JE_               |               | 0945                                  | 5           |         |
| 48      | <u> </u>          |               | 0945                                  | _5          |         |
| 51      | CM                |               | 0945                                  | S           |         |
| 54      | MG                | 0930          | 0945                                  | 5           |         |
| 80      | PP                | 0945          | 1000                                  | 5           |         |
| 83      | BC                | 0945          | 000                                   | 5           |         |
| 87      |                   | 0945          | 1000                                  | <u>s</u>    |         |
| 89      |                   | 1.            |                                       |             |         |
|         |                   | A T           |                                       |             |         |
| 98      |                   |               | ,                                     |             |         |
| 102     | 70 1              | 000           |                                       |             |         |
| 95      | CM MG             | 0945          | 1000                                  | 5<br>5<br>5 |         |

1013 2,000 well 210

1015

1015

At h Calibration Sheet

BL

JE

40

105

109

114

At a site map showing grid ID

1000

1000

000

# INSTANTANEOUS LANDFILL SURFACE MONITORING

|              | $\boldsymbol{\wedge}$        |              |
|--------------|------------------------------|--------------|
| _Personnel:  | - Paul Ponce Les Occ         |              |
| ( )          | Bat Cestri Craig Markley     |              |
|              | John Espinoza Mike Gorge:    |              |
| Date: 4/22/0 | Instrument Used: NA 88 ) 128 |              |
| Temperaturo  |                              | <del>-</del> |

Temperature: \_\_\_\_\_

| -            |                   |               |              | ,          |         |
|--------------|-------------------|---------------|--------------|------------|---------|
| GRID ID      | STAFF<br>INITIALS | START<br>TIME | STOP<br>TIME | TOC<br>PPM | REMARKS |
| 116          | CM                | 1000          | 1015         | 5          |         |
| 118          | MG                | 1000          | 1015         |            |         |
| 123          | PP                | 1215          | 550          |            |         |
| (24          | BC                | 1015          | 1030         | 5          |         |
| 113          | JE_               | 1015          | 1030         | 5          |         |
| 108          | 40                | 1015          | 1030         | 5          |         |
| 104          | CM                | 1015          | 1030         | 5          |         |
| 101          | MG                | 1015          | 1030         | 5          |         |
| 97           | PP                | 1030          | 1045         | 5          |         |
| 94           | <u>BC</u>         | 1030          | 1045         | 5          |         |
| 88           | <u> </u>          | 1030          | 1045         | 5          |         |
| 36           | LO                | 1030          | 1045         | 5          |         |
| 82           | CM                | 1030          | 1045         | 5          |         |
| 79           | MG                | (0)0          | 1045         | 5          |         |
| 71           | ρρ                | 1045          | 1100         | 5          |         |
| 67           | BL                | 1045          | 1100         | 5          |         |
| 64           | JE                | 1045          | 1100         | 5          |         |
| 57           | LO                | 1045          | 1100         | 5          |         |
| 53           | CM                | 1045          | 1100         | سی         |         |
| 50           | M6                | 1045          | 1100         | 5          |         |
| 43           | PP                | 1200          | 1215         | _5         |         |
| 32           | BC                | 1200          | 1215         | 5          |         |
| 33           | JE                | 1200          | 1215         | 5          |         |
| 41           | 20                | 1200          | 1215         | 5          |         |
| 42           | CM                | 1200          | 1215         | 5          |         |
| 56           | M6                | 1200          | 1215         | 5          |         |
| 69           | PP                | 1215          | 1230         | 5          |         |
| 70           | BC                | 1215          | 1230         | 5          | ·       |
| 77           | JE                | 1212          | 0230         | 5          |         |
| 76           | 40                | 1215          | 1230         | 7          |         |
| <del>-</del> |                   |               |              | <u> </u>   |         |

At h Calibration Sheet

A site map showing grid ID

# INSTANTANEOUS LANDFILL SURFACE MONITORING

| Personnel:  | Faul Ponce Les Orr Bart Cerini Crevig Markley                |
|-------------|--|
| Date: 4/22  | John Espiroza Milke Gorgei  Joy Instrument Used: OV A 88/128 |
| Temperature | · · · · · · · · · · · · · · · · · · ·                        |

|                | T                 | <b>1</b>      |              |            |         |
|----------------|-------------------|---------------|--------------|------------|---------|
| GRID ID        | STAFF<br>INITIALS | START<br>TIME | STOP<br>TIME | TOC<br>PPM | REMARKS |
| 75             | CM                | 1215          | 1230         | 5          |         |
| 78             | M6                | 1915          | 1230         | 5          |         |
| 93             | PP                | 1230          | 1245         |            |         |
| 107            | BC                | 1230          | (245         |            |         |
| 111            | ナビ                | 1230          | 1245         | 5          |         |
| 113            | LO                | 1230          | 1245         | 5          |         |
| 128            | _CM               | 1230          | 1245         | \$         |         |
| 129            | MG                | 1230          | 1245         | _5         |         |
| 30             | ρρ                | 1245          | 1300         | 5          |         |
| 00             | BC                | 1245          | 1300         | 5          |         |
| 92             | 2E                | 1245          | 1300         | _5_        |         |
|                | _LO               | 1245          | (300         | Š          |         |
| 24             | CW                | 1245          | 1300         | 3          |         |
| 3              | Mb                | 1245          | 1300         | 5          |         |
| 31             | BC                | 1300          | 1315         | 5          |         |
| 9              | JΕ                | 1300          | 1315         | 5          |         |
|                | LO                | 1300          | 1315         | 5          |         |
| 7              |                   | 1300          | 1315         | 5          |         |
| <del>/  </del> | MG                | 1300          | 135          | 5          |         |
|                | <u> </u>          |               |              |            |         |
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|                |                   |               |              |            |         |
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At h Calibration Sheet

At a site map showing grid ID

### INSTANTANEOUS LANDFILL SURFACE MONITORING Paul Porce

| Personn  |                   | 10001 101     |              |            |        |         |         |
|----------|-------------------|---------------|--------------|------------|--------|---------|---------|
| Date: y  | /22/24 Ins        | strument U    | Jsed:        |            |        |         |         |
|          | ture:             |               |              |            |        |         |         |
| GRID ID  | STAFF<br>INITIALS | START<br>TIME | STOP<br>TIME | TOC<br>PPM |        |         | REMARKS |
| 58<br>65 |                   |               |              |            | Attive | Dimping |         |
| 72       |                   |               |              |            |        |         |         |
| 59       |                   |               |              |            |        |         |         |
| 73       |                   |               |              |            |        |         | ·       |
|          |                   |               |              |            |        |         |         |
| )        |                   |               |              |            |        |         |         |
|          |                   |               |              |            |        |         |         |
|          |                   |               |              |            |        | ·       |         |
|          |                   |               |              |            |        |         |         |
|          |                   |               |              |            | •      |         |         |
|          |                   |               |              |            |        |         |         |
|          |                   |               |              |            |        |         |         |
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h Calibration Sheet h site map showing grid ID

Page\_5\_\_of5\_\_

# **OVA CALIBRATION LOG**

Landfill:

Bradley Londfill

| OPERATOR<br>INITIALS                  | DATE           | BATTERY<br>CHECK | FLOW<br>METER | 10          | ZOHE<br>READINI<br>100 | 1000         |          | U            | CH4 CALIE<br>NCORREC | RATION O | ias<br>Ings |              | <del>                                     </del> | <del></del> - | CH4 CALIE       | RATION   | 48         | <del></del> | 30           | T. CALIBA     | ATION    |
|---------------------------------------|----------------|------------------|---------------|-------------|------------------------|--------------|----------|--------------|----------------------|----------|-------------|--------------|--|---------------|-----------------|----------|------------|-------------|--------------|---------------|----------|
| ~~                                    | <del> </del>   |                  | READING       | PPM         | PPM                    |              |          | NA           | ₽                    | TED      |             | IIGH         | <del> </del>                                     | OW            | CORRECTI        | D READIN | <u>Q</u> 8 |             | "            | CHECK         | AHUM     |
| PP                                    | 1/27/          | OV               | 1.5           |             | 1.191                  | PPM          | PPM      | ACT          | PPM                  | · ACT    | PPM         | ACT          | PPM  | ACT           |                 | ED.      | H          | IGH         | <del> </del> | DIRON         |          |
| BC                                    | 4/20/01        |                  |               | <del></del> | <del> </del>           |              |          |              |                      | <u> </u> | 570         |              | 114  | A61           | PPM             | ACT      | PPM        | ACT         | PPM          | PPM           | PPA      |
| TE                                    | 4/24/04        | - OK             | 1.5           |             |                        |              | <b>-</b> |              |                      |          |             | <del> </del> |  | <del> </del>  | <del></del>     |          | 200        | 800         | =            | -             | 52       |
| LO                                    | 4/22/          | OK               | 1.5           |             |                        |              |          |              |                      |          | 1           | 200          | -  | <b> </b>      | <del> </del>    |          | ಕ್ಟ        | 500         | _            | -             | 1 '      |
|                                       | V17/M          | 6K               | 105           |             |                        |              |          |              |                      |          |             | 280          |  |               |                 |          | (2500)     | 530         |              |               | 200      |
| CM                                    | 4/22/04        | OK.              | 1.5           |             |                        |              |          |              |                      |          | 500         | 200          |  |               |                 |          | 1          |             | <del></del>  |               | 50       |
| MG                                    | Verfor         | 6k               | 1.5           |             |                        |              |          |              | -                    |          | 500         | 250          |  |               |                 |          | 500        | 1           |              |               | \$73     |
|                                       |                |                  |               |             |                        |              |          |              |                      |          | 500         | 520          |  |               |                 |          | 250        | 250         |              |               | 500      |
|                                       |                |                  |               |             |                        | <del> </del> |          |              |                      |          |             |              |  |               | <del></del>     |          | <u>ડજ</u>  | حدک         |              |               | toc      |
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|                                       |                |                  |               | -           |                        |              |          |              |                      |          |             |              |  |               |                 |          |            |             | <del></del>  |               |          |
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## INSTANTANEOUS LANDFILL SURFACE MONITORING

| Personnel:   | Paul Brice           |           | John Espinoza |  |
|--------------|----------------------|-----------|---------------|--|
|              | <u>Craig Markley</u> |           | AL Rodriguez  |  |
|              | Mike Gorgei          |           | 3             |  |
| Date: 5/26/6 | Instrument Used:     | OVA 128/8 | 38            |  |

Temperature:

| GRID ID | STAFF<br>INITIALS | START<br>TIME | STOP<br>TIME | TOC<br>PPM | REMARKS                  |
|---------|-------------------|---------------|--------------|------------|--------------------------|
| 132     | PP                | 0700          | 0715         | 5          |                          |
| 131     | cM                | 0760          | 0715         |            |                          |
| 127     | MG                | 0700          | 0715         | 5          |                          |
| 124     | JE                | 0700          | 0315         | 5          |                          |
| 125     | AR                | 0700          | 0715         | S          |                          |
| 123     | PP                | 0715          | 0730         |            |                          |
| 118     | cM                | 0715          | 0730         | 5          |                          |
| 119     | MG                | 0715          | 0230         | S          |                          |
| 120     | JE                | 0715          | 0730         | 5          |                          |
| 121     | AR                | 0715          | 0730         | S          |                          |
| 122     | ρρ                | 0730          | 0745         | 5          |                          |
| 77      | cM.               | 0730          | 0745         | 5          |                          |
| 5       | MG                | 0730          | 0745         | S          |                          |
| 110     | <i>उE</i>         | 0730          | 0745         | 5          |                          |
| 106     | AR                | 0730          | 0745         | 5          |                          |
| 103     |                   | 5745          | 0800         | 5          |                          |
| 99      | CM                | 0745          | 0800         | 5          |                          |
| 96      | MG                | 0745          | 0800         | 5          |                          |
| 90      | JE                | 0745          | 0800         | 5          |                          |
| 85      | AR                | 0745          | 0800         | 5          | ,                        |
| 84      | _PP               |               | 0815         | 5          |                          |
| 81      | cM                | 0800          | 0815         | 5          |                          |
| 73      | MG                | ପ୍ଟେଡ         | 0815         | 5          |                          |
| 66      |                   | 0800          | 0815         | 5          |                          |
| 59      |                   | 0800          | 0815         | 580        | spot next to well 72 3/0 |
| 61      | PP                | 2815          | 0830         | S          |                          |
| 60      | cM                | 0815          | 0830         | 5          |                          |
| 55      | MG                | 0815          | 0830         | 5          |                          |
| 52      | JE                | 0815          | <i>0</i> 830 | 5          |                          |
| 49      | AR                | 0815          | 0830         | 5          |                          |
|         |                   |               |              |            |                          |

At th Calibration Sheet
A site map showing grid ID

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# INSTANTANEOUS LANDFILL SURFACE MONITORING

|  | ^ -                 | !            |               | = = |
|--|---------------------|--------------|---------------|-----|
| Personnel:                               | Paul Ponce          |              | John Espinoza |     |
|  | Crain Markley       |              | AL Rodriguez  |     |
|  | . • ,               |              | 1 JOST 190E E |     |
|  | Mike Gorgei         | <del></del>  |               |     |
| Date: 5/26/6                             | பு Instrument Used: | ٠,١٥٠ مرا    |               |     |
| - P. P. P. P. P. P. P. P. P. P. P. P. P. |                     | CO# 121 / 48 |               |     |

Temperature:

|         | <del></del>       |                                       |              |            |                                     |
|---------|-------------------|---------------------------------------|--------------|------------|-------------------------------------|
| GRID ID | STAFF<br>INITIALS | START<br>TIME                         | STOP<br>TIME | TOC<br>PPM | REMARKS                             |
| 47      | PP                | 0830                                  | 0845         | ς          |                                     |
| 40      | CM                | 0830                                  | 0845         | 5          |                                     |
| 45      | MG                | 0830                                  | 0845         | 5          |                                     |
| 39      | JE                | 0830                                  | 0845         | 5          |                                     |
| 37      | AR.               | 8830                                  | 0845         | 1900       | EW 36                               |
| 23      | PP                | 0845                                  | 0900         | 10,000     |                                     |
| 22      | CM                | 0845                                  | 0900         | 's         | Area SE of well 62 5/0, broken pipe |
| 24      | MG                | 0845                                  | 0900         | 10,000     | Area SE of well 62 5/0              |
| 21      | JE                | 0845                                  | 0900         | 5          | WENT (12 3 1 D                      |
| 20      | _A-R              | 0845                                  | 0900         | 5          |                                     |
| 6       | .pp               | 0900                                  | 0915         | ls.        |                                     |
| 5       | CM                | 0900                                  | 0915         | 5          |                                     |
| 1       | MG                | 0900                                  | 0915         | S          |                                     |
| 3       | JE                | 0900                                  | 0915         | 5          |                                     |
| 2       | AR                | 0900                                  | 0915         | 5          |                                     |
|         | <u>_PP</u>        | 0915                                  | 0930         | 5          |                                     |
| 34      | CM.               | 0915                                  | 0930         | 5          |                                     |
| 32      | MG                | 0915                                  | 0938         | 5          |                                     |
| 33      | JE                | 0915                                  | 0930         | 5          |                                     |
| 35      | AR_               | 0915                                  | 0930         | 5          |                                     |
| 36      | PP                | 0930                                  | 0945         | 5          |                                     |
| 38      | ch                | -0930                                 | 0945         | 5          |                                     |
| 44      | MG                | 0930                                  | 0945         | 5          |                                     |
| 40      | JE                | 0930                                  | 0945         | 5          |                                     |
| 48      | AR                | 0930                                  | 0945         | 5          |                                     |
| 51      | PP !              | 0945                                  | 1000         | 5          |                                     |
| 54      | cM                | 0945                                  | 0001         | 5          |                                     |
| 58      | MG                | 0945                                  | 1000         | 5          |                                     |
| 65      |                   | 0945                                  | 1000         | 5          |                                     |
| 68      | AR                | 2945                                  | 1000         | 5          |                                     |
| ,       |                   | · · · · · · · · · · · · · · · · · · · |              |            |                                     |

Attach Calibration Sheet

A site map showing grid ID

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# INSTANTANEOUS LANDFILL SURFACE MONITORING

| John Espinora  |
|----------------|
| AL Rodriquez   |
| The Poarigue ? |
|                |
| s /88          |
|                |

Temperature:

| GRID JD STAFF STAFT TIME TIME PPM  72  |    |    |                                       |                                       |             | <u>                                      </u> |
|--|----|----|---------------------------------------|---------------------------------------|-------------|---|
| 80 CA 1500 1015 5 83 NG 1000 1015 5 87 JE 1500 1015 5 87 AR 1500 1015 5 97 PR 1505 1500 5 102 NG 1015 1500 5 105 JE 1015 1500 5 109 AR 15015 1500 5 114 PP 1500 1545 5 114 PP 1500 1545 5 115 JE 1500 1545 5 116 AR 1930 1545 5 101 CA 1500 1545 5 101 CA 1500 1545 5 101 CA 1500 1545 5 101 CA 1500 1545 5 101 CA 1500 1545 5 101 CA 1500 1545 5 101 CA 1500 1545 5 101 CA 1500 1500 1500 1500 1500 1500 1500 150  |    |    |                                       |                                       |             | REMARKS .                                     |
| 80 CM 1600 1015 5  83 Mb 1600 1015 5  87 AR 1600 1015 5  98 AR 1600 1015 5  98 CM 1015 1630 5  102 Mb 1015 1630 5  109 AR 1015 1630 5  114 PP 1630 1645 5  113 TE 1030 1645 5  104 Mb 1030 1645 5  105 Mb 1030 1645 5  106 AR 1030 1645 5  107 Mb 1030 1645 5  108 AR 1030 1645 5  101 CM 1645 1600 5  101 CM 1645 1600 5  101 CM 1645 1600 5  101 CM 1645 1600 5  101 CM 1645 1600 5  101 CM 1645 1600 5  101 Mb 1020 1215 5  32 CM 1200 1215 5  43 JE 1200 1215 5  41 AR 1200 1215 5  41 AR 1200 1215 5  50 CM 1215 1730 5  10 JE 1215 1730 5  | 72 | PP | 1000                                  | 1015                                  | 5           |   |
| 83 M6 1000 1015 5 87 JF 1000 1015 5 89 AR 1000 1015 5 98 CM 1015 1030 5 102 MG 1015 1030 5 109 AR 1015 1030 5 114 PP 1030 1045 5 113 JE 1030 1045 5 108 AR 1930 1045 5 109 PP 1045 1100 5 1001 CM 1045 1100 5 105 CM 1045 1100 5 105 CM 1045 1100 |    | CM | 1690                                  |                                       | <del></del> |   |
| 89 AR  |    | M6 | 600                                   | 1 -                                   |             |   |
| 95 PP 1015 1030 5  98 CM 1015 1030 5  102 MG 1015 1030 5  109 AR 1015 1030 5  114 PP 1030 1045 5  113 JE 1030 1045 5  104 PP 1045 1000 5  101 CM 1045 1000 5  101 CM 1045 1000 5  101 CM 1045 1000 5  101 CM 1045 1000 5  97 MG 1045 1000 5  98 AR 1045 1000 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  99 NA 1005 1005 5  90 NA 1005 1005 1005 5  90 NA 1005 1005 1005 1005 1005 1005 1005 100  | J  |    | 1000                                  | 1015                                  | 5           |   |
| 98   |    |    | 1000                                  | 1015                                  | 5           |   |
| 102   MG   |    | 7  | 1015                                  | 630                                   | 5           |   |
| 105 JE 1015 1030 5 109 AR 1015 1030 5 114 PP 1030 1045 5 115 MG 1030 1045 5 115 JE 1030 1045 5 108 AR 1930 1045 5 101 PP 1045 1000 5 101 CM 1045 1000 5 101 CM 1045 1000 5 101 CM 1045 1000 5 97 MG 1045 1000 5 98 AR 1045 1100 5  |    | CM | 1015                                  | 1630                                  | 5           |   |
| 109   AR   1015   1030   5     109   AR   1015   1030   5     114   PP   1030   1045   5     115   TE   1030   1045   5     113   TE   1030   1045   5     108   AR   1930   1045   5     101   CM   1045   1000   5     101   CM   1045   1000   5     101   CM   1045   1000   5     101   TE   1045   1000   5     101   TE   1045   1000   5     102   TE   1045   1050   5     103   AR   1045   1050   5     104   TE   1045   1050   5     105   TE   1050   1215   5     106   PP   1200   1215   5     107   PP   1215   1230   5     108   TE   1255   1230   5     109   TE   1215   1230   5     109   TE   TE   TE   TE   TE   TE   TE   T  |    |    |                                       | 1030                                  |             |   |
| 114 PP 1030 1045 \$  11  |    |    | 1015                                  | 1 4                                   | 5           |   |
|  |    |    | 1015                                  | 1030                                  | 5           |   |
| 113   JE   1030   1045   5     108   AR   1930   1045   5     104   PP   1045   1100   5     101   CM   1045   1100   5     101   CM   1045   1100   5     101   JE   1045   1100   5     101   JE   1045   1100   5     101   JE   1045   1100   5     101   JE   1045   1100   5     101   JE   1200   1215   5     101   JE   1200   1215   5     101   JE   1200   1215   5     101   JE   1200   1215   5     101   JE   1200   1215   5     101   JE   1215   1215   5     101   JE   1215   1215   5     101   JE   1215   1215   5     101   JE   1215   1215   5     101   JE   1215   1215   5     101   JE   1215   1215   5     101   JE   1215   1215   5     101   JE   1215   1215   5     101   JE   1215   1215   5     101   JE   1215   1215   5     101   JE   1215   1215   5     101   JE   1215   1215   5     101   JE   1215   1210   5     101   JE   1215   1210   5     101   JE   1215   1210   5     101   JE   1215   1210   5     101   JE   1215   1210   5     101   JE   1215   1210   5     101   JE   1215   1210   5     101   JE   JE   JE   JE   JE   JE     101   JE   JE   JE   JE   JE   JE     101   JE   JE   JE   JE   JE   JE     101   JE   JE   JE   JE   JE   JE   JE     101   JE   JE   JE   JE   JE   JE   JE     101   JE   JE   JE   JE   JE   JE   JE   J  |    |    | 1030                                  | 1045                                  | 5           |   |
| 113  |    |    |                                       | 1045                                  |             |   |
| 108 AR 1930 1045 5 104 PP 1045 1000 S 101 CM 1045 1000 S 97 MG 1045 1000 S 94 JE 1045 1100 S 98 AR 1045 1100 S 96 AP 1200 1215 S 32 CM 1200 1215 S 79 MC 1200 1215 S 43 JE 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1200 1215 S 41 AR 1215 1230 S   |    |    |                                       |                                       | 5           | ·   |
| 104 PP 1045 1100 S 101 CM 1045 1100 S 97 MG 1045 1100 S 98 MG 1045 1100 S 86 PP 1200 1215 S 79 MG 1200 1215 S 79 MG 1200 1215 S 43 JE 1200 1215 S 41 PP 1215 1230 S 41 PP 1215 1230 S 50 CM 1215 1230 S 70 JE 1215 1230 S  |    |    |                                       | 1045                                  |             |   |
| 101 CM 1045 1100 5 97 MG 1045 1100 5 94 JE 1045 1100 5 98 AR 1045 1100 5 86 PP 1200 1215 5 79 MC 1200 1215 5 43 JE 1200 1215 5 41 PP 1215 1230 5 50 CM 1215 1230 5 70 JE 1215 1230 5   |    |    |                                       |                                       |             |   |
| 97 MG 1045 1100 5  94 JE 1045 1100 5  98 AR 1045 1100 5  86 PP 1200 1215 5  79 MC 1200 1215 5  43 JE 1200 1215 5  41 PP 1215 1280 5  50 CM 1215 1230 5  70 JE 1215 1230 5  |    |    |                                       | 1100                                  |             |   |
| 94 JE 1045 1100 5 98 AR 1045 1100 5 86 PP 1200 1215 5 79 MC 1200 1215 5 43 JE 1200 1215 5 41 PP 1215 1230 5 50 CM 1215 1230 5 70 JE 1215 1230 5  |    |    |                                       |                                       |             |   |
| 98 AR 1045 1100 5 86 AP 1200 1215 5 82 CM 1200 1215 5 79 MC 1200 1215 5 43 JE 1200 1215 5 42 AR 1200 1215 5 41 AR 1200 1215 5 41 PP 1215 1230 5 69 Mb 1215 1230 5 70 JE 1215 1230 5  |    |    | ,                                     |                                       |             |   |
| 86 PP 1200 1215 S  82 CM 1200 1215 S  79 MC 1200 1215 S  43 JE 1200 1215 S  41 PP 1215 1230 S  50 CM 1215 1230 S  70 JE 1215 1230 S  |    |    | · · · · · · · · · · · · · · · · · · · |                                       |             | ·   |
| 82 CM 1200 1215 5  79 MC 1200 1215 5  43 JE 1200 1215 5  41 PP 1215 1230 5  50 CM 1215 1230 5  70 JE 1215 1230 5   |    |    |                                       |                                       |             |   |
| 79 MC 1200 1215 5  43 JE 1200 1215 5  41 AR 1200 1215 5  41 PP 1215 1230 5  50 CM 1215 1230 5  70 JE 1215 1230 5   |    |    |                                       | · · · · · · · · · · · · · · · · · · · | 5           |   |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |    |    |                                       |                                       | <u> </u>    |   |
| 42 AR 1200 1215 5<br>41 PP 1215 1230 5<br>50 CM 1215 1230 5<br>69 MG 1215 1230 5<br>70 JE 1215 1230 5  |    |    |                                       |                                       |             |   |
| 41 PP 1215 1230 5<br>50 CM 1215 1230 5<br>69 MG 1215 1230 5<br>70 JE 1215 1230 5   |    |    |                                       |                                       |             |   |
| 50 CM 1215 1230 5<br>69 MG 1215 1230 5<br>70 JE 1215 1230 5  |    |    |                                       |                                       |             |   |
| 69 MG 1215 1230 5<br>70 JE 1215 1230 5   |    |    |                                       |                                       | <u>5</u>    |   |
| 70 JE 1215 1230 5  |    |    |                                       |                                       |             |   |
| 77 163 7   |    |    |                                       |                                       |             |   |
| 11 MK   121)   1230   5  |    |    |                                       |                                       |             |   |
|  |    | MK | 121)                                  | 1230                                  | 5           |   |

Attr h Calibration Sheet At site map showing grid ID

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# INSTANTANEOUS LANDFILL SURFACE MONITORING

|              | <b>∼</b> . <b>∧</b> .  |   |                  |
|--------------|------------------------|---|------------------|
| Personnel:   | - Paul Ponce           | John Espinoza   |                  |
|              | Craig Markiby          | AL Podriquez  |                  |
|              | Mike Gorgel            | T TO THE STATE OF |                  |
|              | - WES Colge!           | +   |                  |
| Date: 5/26/2 | Instrument Used: OUA 1 | D 100   | , - <del>-</del> |
| <del></del>  |                        | 768   |                  |
|              |                        |   |                  |

Temperature:

|          |                   |               |              | ·              |                             |
|----------|-------------------|---------------|--------------|----------------|-----------------------------|
| GRID ID  | STAFF<br>INITIALS | START<br>TIME | STOP<br>TIME | TOC<br>PPM     | REMARKS                     |
| 76<br>75 | PP                | 1230          | 1245         | 5              |                             |
|          | cM                | 1230          | 1245         | . 5            |                             |
| 18       | MG                | 1230          | 1245         | 5              |                             |
| 93       | JE                | 1230          | 1245         | 5              |                             |
| 107      | AR                | 1230          | 1245         | 5              |                             |
| 114      | ρρ                | 1245          | 1340         | 5              |                             |
| 112      | cm                | 1245          | 1300         | 100,000        | Area along road NE of SIIR. |
| 130      | MC                | 1245          | 1300         | S              | THE GOING TOUGH NE PT SILK  |
| 129      | ग्रह              | 1245          | 1300         | S              |                             |
| 128      | AR                | 1.245         | 1300         | 5              |                             |
| 91       | PP                | 1300          | 1315         | 5              |                             |
| 92       | cM                | 1300          | 1.315        | 5              |                             |
| _00      | MG                | 1300          | 1315         | 5              |                             |
| 74       | JE                | 1300          | (315         | 5              |                             |
| 63       | AR                | 1300          | 135          | 5              |                             |
| 3)       | PP                | 1315          | 1330         | 5              |                             |
| 10       | cn                | 1315          | 1330         | 5              |                             |
| 9        | MG                | 1315          | 1330         | 5              |                             |
| 8        | JE                | 1315          | 1330         | 5              |                             |
| 7        | AR                | 1315          | 1330         | 5              |                             |
|          | ·                 | _             |              |                |                             |
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Attach Calibration Sheet A h site map showing grid ID

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# INSTANTANEOUS LANDFILL SURFACE MONITORING

| Personne | er:   | , 0.001                                | -1100  | <del></del>  |                |
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| Date: 57 | 126/04  | Instrumen                              | t Used:  |              | ·              |
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| rempera  | tu! 🤃   |  | <del></del>                                      |              | ·              |
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| GRID ID  | STAFF<br>INITIALS                                 | START                                  | STOP   | тос          | DEMARKS        |
|          | INITIALS  | TIME                                   | TIME   | PPM          | REMARKS        |
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| 53       | <del></del>                                       |  | <del></del>                                      |              | Active Dumping |
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At the Calibration Sheet At the Site map showing grid ID

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# **OVA CALIBRATION LOG**

Landfill:

Bradley (ova)

| PERATOR<br>INITIALS | DATE   | BATTERY<br>CHECK | FLOW<br>METER | 10            | ZONE<br>READING<br>100 | 1000        |  | į.             | CH4 CALLI<br>NCORREC                             | TEB READII                                       | lQS           |          |              | = <del>====================================</del> | CH4 CALIE<br>CORRECTE | RATION O       | AS<br>AS     | ·  | 3P           | T. CALIBRI<br>CHECK | ATION        |
|---------------------|--|------------------|---------------|---------------|------------------------|-------------|--|----------------|--|--|---------------|----------|--------------|---|-----------------------|----------------|--------------|--|--------------|---------------------|--------------|
|                     |  |                  | READING       | PPM           | PPM                    | PPM         |  | .OW            |  | AED  |               | IGH      | L            | OW  |                       | ED             |              | igh  | <del> </del> | GHEGK               |              |
| PP                  | 5/4/   | ο¥               |               | 7.11          | FFE                    | PFM         | PPM  | ACT            | PPM  | ACT  | PPM           | ACT      | PPM          | ACT   | PPM                   | ACT            | PPM          | ACT  | PPM          | PPM                 | PP           |
|                     | 5/26/2   |                  | 1.5           |               |                        |             |  |                | <del></del>                                      | <del> </del>                                     | 500           | 500      |              |   |                       |                |              | 1  | rrm.         | Free                |              |
| CM_                 | 7/26/64  | 08               | _1.5_         |               |                        | <u> </u>    | <del>                                     </del> | <del></del>    |  |  |               | 200      | <del> </del> |   | <del> </del>          | <del> </del> - | 500          | 200  |              | <del> </del>        | 50           |
| M6                  | 5/2669   | ot               | 1.5           |               |                        |             |  |                | †  | <del>                                     </del> |               |          |              |   |                       |                | 2550         | 500  |              |                     | 52           |
| JE                  | 726/64   | ak               | 1,5           |               |                        |             | <del></del>                                      |                | <del> </del>                                     | <del> </del>                                     | 500           | 500      |              |   |                       |                | 5200         | 505  |              | <del> </del>        | 50           |
| AR                  | 92609  |                  | -             |               |                        |             | <del> </del>                                     |                | <del> </del>                                     | <del></del> _                                    | 500           | 502      | L            |   | <del> </del>          | -              | 300          | 500  |              |                     | 50           |
| (1)                 | 724107   | 6K               | 1.5           |               |                        |             |  |                | <u> </u>   | <del> </del>                                     | 500           | 220      | -            |   |                       |                | 'I           |  |              | <del> </del>        |              |
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### LOG OF REMEDIAL WORK FOR INSTANTANEOUS SURFACE MONITORING

| Site Name: Bradley | Monitoring Period: | Personnel: | Paul Ponce | · |
|--------------------|--------------------|------------|------------|---|
|                    |                    |            |            |   |

| _           | INITIAL<br>MONITORING |         | FIRST   | SECONI<br>MONITO |             | SECOND        | THIRD<br>MONITOR |               |
|-------------|-----------------------|---------|---|------------------|-------------|---------------|------------------|---------------|
| Grid<br>No. | Date                  | Toc     | Remedial Work   | Date             | Тос         | Remedial Work | Date             | Toc           |
| 59          | 5/26/64               | 500     | adj, well   | 6/3/09           | 3           |               |                  |               |
| 37          | 5/26/04               | 1000    | adt. noll   | 6/3/04           | 1,500       | adt. nell     | 6/11/04          | 200           |
| 23          | 5/26/64               | 10,000  | Track walked water<br>Track walked water<br>Warr fill dirt. | 6/3/04           | 200         | ales, ver     | 41/1/01          | 1 500         |
| 24          | 5/24/64               | 10,000  | Track muliced water   | 6/3/114          | 200         |               |                  | ļ <u>.</u>    |
| 112         |                       | 100,000 | Warr fill dirt  | 63704            | 2,000       | Water         | 6/11/04          | 350           |
|             |                       |         |   | <del>V-7 /</del> | 37000       | Vuite         | 9/11/0 /         | 350           |
|             |                       |         |   |                  |             |               | <del></del>      | <del> </del>  |
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|             |                       |         |   |                  |             |               |                  |               |

Monitoring Date
 TOC Reading in PPM

### INSTANTANEOUS LANDFILL SURFACE MONITORING

| Personnel:   | Paul Ponce<br>Robert Johns | Tim lynch<br>Noah Cureton |     |   |  |
|--------------|----------------------------|---------------------------|-----|---|--|
| *****        | John Espinora              |                           |     | · |  |
| Date: 6 17-0 | Instrument Used: OVA 1     | 28 /88                    |     |   |  |
| Tomporaturo  | •                          |                           | • • |   |  |

|         | <del>. ,</del>    | - T           |                      |            | <del></del> |  |                                       |  |              |
|---------|-------------------|---------------|----------------------|------------|-------------|--|---------------------------------------|--|--------------|
| GRID ID | STAFF<br>INITIALS | START<br>TIME | STOP<br>TIME         | TOC<br>PPM |             |  |                                       | REMARKS                                |              |
| 132     | PP                | 0715          | 0730                 | 5          |             |  |                                       |  |              |
| 131     | R5                | 0715          | 0730                 | 100,000    | spots       | botton                                 | -£                                    | sleng                                  |              |
| 127     | JE                | 0715          | 0730                 | (00,000    | sorts       | botton                                 | <u></u>                               | class                                  |              |
| 126     | TL                | 0715          | 0730                 | 5          |             | 001.000                                |                                       | Sept                                   |              |
| 125     | NC                | 0715          | 0730                 | 5          |             | <del></del>                            | ·                                     |  |              |
| 119     | PP                | 0730          | 0745                 | 5          |             |  |                                       |  |              |
| 120     | R3                | 0730          | 0745                 | 5          |             |  |                                       | ,                                      | <u> </u>     |
| 121     | J.E               | 0730          | 0748                 | 5          |             |  |                                       |  |              |
| 122     | TL                | 0730          | 0745                 | 5          |             | ···                                    |                                       |  | <del> </del> |
| 117     | NC.               | 0730          | <b>ወ</b> ንዛ <b>ና</b> | 5          |             |  |                                       |  |              |
| 115     | PP                | 0745          | 0800                 | 5          |             | ··                                     |                                       |  |              |
| 0       | R5                | 0745          | 0800                 | ς          |             | •                                      |                                       |  |              |
| 106     | 2E                | 0745          | 0800                 | \$         |             |  |                                       |  |              |
| 103     | TL                | 0745          | 0802                 | 5          |             |  |                                       |  |              |
| 99      | NC                | 0745          | 0800                 | 5          |             | ··                                     |                                       |  |              |
| 96      | ΡΡ                | 0800          | 0815                 | 5          |             | · · · · · · · · · · · · · · · · · · ·  |                                       |  | ·            |
| 90      | RJ                | 0800          | 0815                 | 5          |             |  |                                       |  |              |
| 85      | JE                | 0800          | 0815                 | 5          |             |  |                                       |  |              |
| 84      | TL                | 0800          | 0815                 | 5          | ,           |  |                                       | ,                                      |              |
| 81      | NC                | 0800          | 0815                 | 5          | ·           | · · · · · · · · · · · · · · · · · · ·  |                                       |  |              |
| 73      | PP                | 0815          | 0830                 | S          |             |  |                                       | 72.1                                   |              |
| 66      | RJ                | 0815          | 0830                 | 5          |             |  | · · · · · · · · · · · · · · · · · · · |  |              |
| 59      | JE                | 0815          | 0830                 | 5          |             |  |                                       |  | <del> </del> |
| 60      | TL                | 0815          | 0830                 | 5          |             |  | <del>-</del>                          | ······································ |              |
| 61      | NC                | 0815          | 083v                 | 5          |             |  | ·                                     |  | <del></del>  |
| 55      | PP                | 0830          | 0845                 | 5          | <del></del> |  |                                       |  |              |
| 52      | RJ                | 0830          | 0845                 | 5          |             |  |                                       |  |              |
| 49      | JE                |               | 0845                 | 5          |             |  |                                       |  |              |
| 47      | TL                |               | 0845                 | 5          | <del></del> | ······································ |                                       |  |              |
| 40      | NC                |               | 0845                 | 5          |             | <del></del>                            | <del></del>                           |  |              |
|         |                   |               | <del></del>          |            |             |  |                                       |  |              |

h Calibration Sheet n site map showing grid ID

### INSTANTANEOUS LANDFILL SURFACE MONITORING

| Personnel:  | - Paul Ponce             | Tim Lynch    | <u> </u> |  |  |
|-------------|--------------------------|--------------|----------|--|--|
|             | Robert Johns             | Noah Cureton |          |  |  |
| • .         | John Espinoza            |              |          |  |  |
| Date: 6-17- | Instrument Used: OVA 128 | /88          |          |  |  |
| Temperature | :                        |              |          |  |  |

|            | T                 |              |              | 1          |                    |
|------------|-------------------|--------------|--------------|------------|--------------------|
| GRID ID    | STAFF<br>INITIALS | START        | STOP<br>TIME | TOC<br>PPM | REMARKS            |
|            | . <b>.</b>        | 12172        | 1714         | PPIM       |                    |
| 45         | PP                | ०४५८         | 0900         | 5          |                    |
| 39         | R2                | 0845         | 1900         | 5          |                    |
| 37         | JE                | 0845         | 0900         | 5          |                    |
| 23         | TL                | 0845         | 0900         | 5          |                    |
|            | NC                | <u> ७४५८</u> | 0900         | 20,000     | spots 5 of well 62 |
| 24         | PP                | 0900         | 0915         | 5          |                    |
| 21         | <b>6</b> 2        | 0900         | 0915         | 5          |                    |
| 20         | JE                | 0900         | 0915         | 5          |                    |
| 6          | TL                | 0900         | 0915         | 5          |                    |
| 5          | NC                | 0900         | 0915         | 500        | spots Not of Emgo. |
| <u>'4</u>  | PP                | 0915         | 0930         | 5          |                    |
| 3          | R5                | 0915         | 0930         | 5          |                    |
| <u></u>    | JE                | 0915         | 0930         | _5_        |                    |
|            | TL_               | 0915         | 0930         | - 5        |                    |
| 34         | NC                | 0915         | 0930         | _5         |                    |
| 35         | _PP               | 0930         | 0945         | 5          |                    |
| 36         | RJ                | 0930         | 0945         | _5         |                    |
| 38         | JE_               | 0930         | 0945         | _5         |                    |
| <u> 44</u> | TL                | 0930         | 0945         | 5~         |                    |
| 58         | Nc.               | 0930         | 0945         | 5          |                    |
| 65         | <u> </u>          | 0945         | 1500         | _5         |                    |
| 68         | <u> </u>          | 0945         | 1004         | 5          |                    |
| 72         |                   | 0945         | 1090         | 5          |                    |
| 80         | TL                | 0945         | 1000         | 5          |                    |
| 83         | NC                | 0945         | 1000         | 5          |                    |
| 87         | PP                | 1900         | 1015         | 5          |                    |
| 89         | <u> </u>          | 1000         | 1015         | 5          |                    |
| 95         | JE                | 1000         | 1015         | 5          |                    |
| 98         | TL                | 1000         | 1015         | 5          |                    |
| 10,5       | NC                | 1000         | 1015         | 5          |                    |

A' sh Calibration Sheet A site map showing grid ID

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### INSTANTANEOUS LANDFILL SURFACE MONITORING

| sonnel:            | Paul Bonce<br>Robert Johns | _ Tim Lynch<br>_ Noch Cureton |                                       |
|--------------------|----------------------------|-------------------------------|---------------------------------------|
|                    | John Espinoza              |                               |                                       |
| Date: <u>617</u> - | 64 Instrument Used: AUA GO | 128                           | · · · · · · · · · · · · · · · · · · · |
| Temperature        | e:                         |                               |                                       |

|         | 1  | T -           | T            | <del></del> |                                  |
|---------|--|---------------|--------------|-------------|----------------------------------|
| GRID ID | STAFF<br>INITIALS                              | START<br>TIME | STOP<br>TIME | TOC<br>PPM  | REMARKS                          |
| 105     | PP   | 1015          | 1030         | 5           |                                  |
| 109     | R5   | 1015          | 1036         | 5           |                                  |
| 114     | JE   | 1015          | 1034         | 5           |                                  |
| 116     | TL   | 1015          | 1039         | 5           |                                  |
| 118     | NC   | 1015          | 1033         | 1000        | spots middle and bottom of stope |
| 123     | ρρ   | 1030          |              | DOQUE       |                                  |
| 724     | RJ   | [030          | 1045         | 100,000     |                                  |
| 113     | JE   | 1030          | 1045         | 5           | sports bottom of slope           |
| [08     | TL   | 1030          | 245          | 5           |                                  |
| 104     | NC   | 1030          | 1645         | 1000        | well 211                         |
| 21      | PP   | 1045          | 1100         | 5           | ren en                           |
| 97      | RJ   | 1545          | 1100         | .5          |                                  |
| 94      | JE   | 1045          | 1100         | 5           |                                  |
| 88      | TL   | 1245          | 1100         | 5           |                                  |
| 46      | NC   | 1245          | 1100         | 5           |                                  |
| 82      | PP   | 1130          | 1145         | 5           | 3                                |
| 79      | KJ   | 4511          | 1145         | 5           |                                  |
| 71      | JE   | 1130          | 1,45         | 5           |                                  |
| 67      | TL   | 130           | 145          | 5           |                                  |
| .64     | NC   | 130           | 1145         | 5           |                                  |
| 57      | PP   | 1145          | 1200         | 5           |                                  |
| 53      | R5   | 1145          | 1200         | 5           |                                  |
| 50      | JE   | 1145          | 1200         | 5           |                                  |
| 43      | TL   | 1145          | 1200         | 5           |                                  |
| 32      | Nc.  | 1145          | 1200         | 5           | ·                                |
| 33      | PP   | 1200          | 1215         | 5           |                                  |
| 41      | RJ   | 1200          | 1215         | 5           |                                  |
| 42      | JE   | 1200          | 1215         | 5           |                                  |
| 56      | TL   | 1200          | 1212         | 5           |                                  |
| 69      | NC   | 1200          | 1215         | 5           |                                  |
| 7       | <b>4</b> • • • • • • • • • • • • • • • • • • • |               | 1615         |             |                                  |

Attach Calibration Sheet Attach site map showing grid ID

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包装铁工

## INSTANTANEOUS LANDFILL SURFACE MONITORING

| sonnel:      | Paul Ponce Robert Johns John Espinoza | Tim Lynch<br>Nout Coreton |  |
|--------------|---------------------------------------|---------------------------|--|
| Date: 6-17-1 | 94 Instrument Used: No 128/इअ         | 1                         |  |
| Temperature  | ••                                    |                           |  |

| GRID ID | STAFF<br>INITIALS | START<br>TIME | STOP<br>TIME | TOC<br>PPM | REMARKS  |
|---------|-------------------|---------------|--------------|------------|--|
| 70      | PP                | 1215          | 1230         | 5          |  |
| 27      | RJ                | 1215          | 1230         | 5          |  |
| 76      | JE                | 1215          | 1230         | 5          |  |
| 75      | TL                | 1215          | 1230         | 5          |  |
| 78      | νc                | 1215          | 1230         | 9          |  |
| 93      | PP                | 1230          | 1245         | 5          |  |
| 107     | RJ                | 1230          | 1245         | 5          |  |
| 111     | JE                | 1230          | 1245         | 5          |  |
| 112     | TL                | 1230          | 1245         | 10,000     | spots bottom and mills of space can well it of |
| 128     | NC                | 1230          | 1245         | 5          | spots bottom and middle of slope, cap well vot |
| 29      | PP                | 1245          | 1300         | 5          | - Jan  |
| 130     | RJ                | 1245          | 1350         | 5          |  |
| 100     | JE                | 1245          | 1300         | ,5         |  |
| 92      | TL                | 1245          | 1300         | 5          |  |
| 91      | NC                | 1245          | 1300         | 5          |  |
| 74      | PP                | 1300          | 1315         | 5          | <u>-</u>                                       |
| 63      | R5                | 1300          | 1315         | 5          |  |
| 31      | JE                | 1300          | 1315         | 5          |  |
| 10      | TL                | 1300          | 1315         | سح         |  |
| 9       | NC                | 300           | 1315         | 5          |  |
| 8.      | PP                | 1315          | 1330         | 5          | ·  |
| 7       | RJ                | 1315          | 1330         | 5          |  |
| 19      | JE                | 1315          | 1930         | 5          |  |
| _111    | TL                | 1315          | 1330         | 5          |  |
| 12      | NC                | 1315          | 1330         | 5          |  |
| 13      | PP                | 1330          | 1345         | 5          |  |
| 14      | R5                | 1330          | 1345         | 5          |  |
| 15      | JE                | 1330          | (345         | 5          |  |
| 11/     | TL                | 1330          | 1345         | 5          |  |
| 17      | NC                | 1330          | 1345         | 5          |  |
| 7       |                   |               | · - 1 · - 1  | <u> </u>   |  |

Attach Calibration Sheet Attach site map showing grid ID

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### INSTANTANEOUS LANDFILL SURFACE MONITORING

|                    | bert Johns          | Noch Cureton | <del></del> |
|--------------------|---------------------|--------------|-------------|
|                    | the Espinoza        |              |             |
| Date: 6-17-04 Inst | rument Used: WA 128 | /88          |             |
| Temperature:       |                     |              |             |

| ,       |                   |               |         |            |   |
|---------|-------------------|---------------|---------|------------|---|
| GRID ID | STAFF<br>INITIALS | START<br>TIME | STOP    | TOC<br>PPM | REMARKS                                 |
| 18      | PP                | 1345          | 1400    | 5          |   |
| 25      | RJ                | 1345          | 1400    |            |   |
| 26      | JE                | 1345          | 1400    | 5          |   |
| 27      | TL                | 1345          | 1400    | 5          |   |
| 28      | NC                | 1345          | 1400    | Ś          | , |
| 29      | JE                | 1400          | 1415    | 5          | :                                       |
| 30      | TL.               | 1400          | 1415    | 5          |   |
| 62      | NC                | 1400          | 1415    | 5          |   |
|         |                   |               |         |            |   |
|         |                   |               |         |            |   |
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Attach Calibration Sheet Attach site map showing grid ID

Page 5 of 6

| INSTANTANEOUS | LANDFILL | SURFACE | <b>MONITORING</b> |
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# **OVA CALIBRATION LOG**

Landfill:

Bradley (aux)

| OPERATOR<br>INITIALS | DATE        | Battery<br>Check | FLOW<br>METER | 10         | ZOME<br>READING<br>100 | 1000         | -              | . L            | CH4 CALII<br>Incorreg | TED READI    | NGS           |     |                                       | <del> </del>   | CH4 CAL  | IBRATION<br>TED READ(                            | gas<br>Nos    |       | 3P             | T. CALIBR      | TATIO         |
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## LOG OF REMEDIAL WORK FOR INSTANTANEOUS SURFACE MONITORING

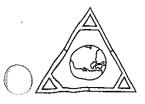
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|                    |                    |            |            |

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| 131          | 91764         | 100000       | water of Time System | 6/25/64                               | 5           |               |                                       |  |
| 127          | 6/17/64       | 100000       | water & Time System  | 6/25/64                               | 20          |               |                                       | +  |
| 1124         | 6/17/04       | 100,000      | water & Time System  | 6/25/04                               | 5           |               |                                       | <del>                                     </del> |
| 123          | 9/17/04       | 30,000       | waters Tune system   | 6/25/04                               | 5           |               |                                       |  |
| 118          | 6/17/04       |              | water Tune System    | 425/04                                | 200         |               |                                       |  |
| 112          | 9/17/04       | 10,000       | water & Tune System  | 6/25/04                               | 300         |               |                                       |  |
| 104          | 6/17/04       |              | waters Tone System   | 6/25/04                               | 300         |               |                                       |  |
|              | 6/17/64       |              | water & Tune System  | 6/15/64                               | 30          |               |                                       | <u> </u>   |
| 22           | 7/17/04       | 20,000       | waters Time system   | 6/25/04                               | 200         |               |                                       |  |
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Monitoring Date
 TOC Reading in PPM

# APPENDIX E LANDFILL GAS SAMPLING

- Laboratory Analysis
- Chain-of-Custody



# Atm AA Inc.

23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250

environmental consultants laboratory services

June 8, 2004

LTR/308/04

Tom Sandhu Shaw Environmental Bradley Landfill 9081 Tujunga Ave. Sun Valley, CA 91352

re: Bradley Landfill samples

Dear Tom:

Please find enclosed a copy of the laboratory analysis reports, quality assurance summaries, and chain of custody forms for four flares and one probe Tedlar bag sample received May 27 & June 1, 2004.

The Tedlar bag samples were analyzed SCAQMD 1150.1 components, permanent gases, total gaseous non-methane organics (TGNMO), hydrogen sufides, and reduced sulfur compounds as requested on the chain of custody forms.

The original reports were sent to Bruce Matlock at the Bradley Landfill office in Sun Valley.

Sincerely,

AtmAA, Inc.

Michael L./ Porter Laboratory Director

Encl. MLP/bwf



#### LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Landfill Gas Tedlar Bag Samples

Report Date: August 10, 2004
Client: Shaw Environmental
Project Location: Bradley Landfill
Date Received: May 27, 2004
Date Analyzed: May 27 & 28, 2004

| AtmAA Lab No.:<br>Sample l.D.: | 01484-26<br>Gas Plant | 01484-27<br>Flare #3 | 01484-28<br>Flare #2 | 01484-29<br>Flare #1 |
|--------------------------------|-----------------------|----------------------|----------------------|----------------------|
|                                | BL-001                | BL-002               | BL-003               | BL-004               |
| Components                     |                       | (Concentration       |                      | 00.4                 |
| Nitrogen                       | 21.4                  | 39.0                 | 36.4                 | 20.4                 |
| Oxygen                         | 1.40                  | 4.35                 | 2.56                 | 1.10                 |
| Methane                        | 39.6                  | 28.4                 | 31.3                 | 40.6                 |
| Carbon dioxide                 | 35.8                  | 26.4                 | 28.4                 | 36.0                 |
|                                |                       | (Concentrati         | on in ppmv)          |                      |
| TGNMO                          | 11200                 | 4950                 | 2750                 | 8050                 |
| Hydrogen sulfide               | 59.9                  | 16.8                 | 40.2                 | 56.0                 |
|                                |                       | (Concentrati         | on in ppbv)          |                      |
| Benzene                        | 6590                  | 6130                 | 1520                 | 3870                 |
| Benzylchloride                 | <40                   | <40                  | <40                  | <40                  |
| Chlorobenzene                  | 190                   | 114                  | 118                  | 129                  |
| Dichlorobenzenes*              | 2160                  | 33.5                 | 60.5                 | 78.7                 |
| 1,1-dichloroethane             | 350                   | 131                  | 87.8                 | 433                  |
| 1,2-dichloroethane             | 90.6                  | 40.9                 | <20                  | 75.4                 |
| 1,1-dichloroethylen€           | 74.9                  | 48.1                 | <30                  | 75.3                 |
| Dichloromethane                | 1900                  | 276                  | 118                  | 2 <b>2</b> 30        |
| 1,2-dibromoethane              | <30                   | <30                  | <30                  | <30                  |
| Perchloroethylene              | 2900                  | 1040                 | 720                  | 2000                 |
| Carbon tetrachloride           | <30                   | <30                  | <30                  | <30                  |
| Toluene                        | 51000                 | 22800                | 6450                 | 30900                |
| 1,1,1-trichloroethane          | <20                   | <20                  | <20                  | <20                  |
| Trichloroethene                | 1080                  | 447                  | 207                  | 911                  |
| Chloroform                     | <20                   | <20                  | <20                  | <20                  |
| Vinyl chloride                 | 220                   | 38 <del>6</del>      | 864                  | <b>30</b> 0          |
| m+p-xylenes                    | 27400                 | 8840                 | 6910                 | 11800                |
| o-xylene                       | 3940                  | 1080                 | 1080                 | 1560                 |

The reported oxygen concentration includes any argon present in the sample. Calibration is based on a standard atmosphere containing 20.95% oxygen and 0.93% argon.

The accuracy of the TCD/GC Method for permanent gases is +/- 2%, actual results are reported. TGNMO is total gaseous non-methane organics measured and reported as ppm methane.

Michael L. Porter Laboratory Director

<sup>\*</sup> total amount containing meta, para, and ortho isomers



#### LABORATORY ANALYSIS REPORT

Hydrogen Sulfide, Reduced Sulfur Compounds, and BTU Analysis in Landfill Gas Tedlar Bag Samples

Report Date August 10, 2004

Client: Shaw Environmental

Project Location: Bradley Landfill Date Received: May 27, 2004 Date Analyzed: May 27 & 28, 2004

#### ANALYSIS DESCRIPTION

Hydrogen sulfide was analyzed by gas chromatography with a Hall electrolytic conductivity detector operated in the oxidative sulfur mode. All other sulfur components were measured by GC/ Mass Spec. BTU is calculated from methane, which was measured by thermal conductivity detection/gas chromatography (TCD/GC), and total gaseous non-methane organics (TGNMO), which was measured by flame ionization detection/total combustion analysis (FID/TCA).

| AtmAA Lab No.:<br>Sample I.D.: | 01484-26<br>Gas Plant<br>BL-001 | 01484-27<br>Flare #3<br>BL-002 | 01484-28<br>Flare #2<br>BL-003 | 01484-29<br>Flare #1<br>BL-004 |
|--------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Components                     |                                 | (Concentration                 | n in ppmv)                     |                                |
| Hydrogen sulfide               | 59.9                            | 16.8                           | 40.2                           | 56.0                           |
| Carbonyl sulfide               | 0.28                            | 0.14                           | 0.12                           | 0.34                           |
| Methyl mercaptan               | 3.52                            | 1.41                           | 0.37                           | 3.81                           |
| Ethyl mercaptan                | <0.1                            | <0.1                           | 0.11                           | <0.1                           |
| Dimethyl sulfide               | 7.29                            | 5.61                           | 0.85                           | 7.09                           |
| Carbon disulfide               | 0.24                            | 0.12                           | 0.13                           | 0.17                           |
| isopropyl mercaptan            | 0.35                            | 0.068                          | <0.06                          | 0.37                           |
| n-propyl mercaptan             | <0.06                           | <0.06                          | <0.06                          | <0.06                          |
| Dimethyl disulfide             | 0.26                            | 0.28                           | 0.12                           | 0.14                           |
| TRS                            | 72.3                            | 24.8                           | 42.2                           | 68.2                           |
| BTU/ft.3                       | 409                             | 291                            | 318                            | 417                            |

TRS - total reduced sulfur

Michael L. Porter Laboratory Director

# QUALITY ASSURANCE SUMMARY (Repeat Analyses)

Project Location: Bradley Landfill
Date Received: May 27, 2004
Date Analyzed: May 27 & 28, 2004

|                       | Sample<br>ID | Run #1 | Analysis<br>Run #2 | Mean<br>Conc. | % Diff,<br>From Mean |
|-----------------------|--------------|--------|--------------------|---------------|----------------------|
| Components            |              | (Cor   | ncentration in     | %, <i>v</i> ) |                      |
| Nitrogen              | Gas Plant    | 21.4   | 21.4               | 21.4          | 0.0                  |
| Oxygen                | Gas Plant    | 1.39   | 1.41               | 1.40          | 0.71                 |
| Methane               | Gas Plent    | 39.7   | 39.6               | 39,6          | 0.13                 |
| Carbon dioxide        | Gas Plant    | 35.6   | 35.9               | 35.8          | 0.42                 |
|                       |              | (Con   | centration in p    | pmv)          |                      |
| TGNMO                 | Gas Plant    | 11000  | 11400              | 11200         | 1.8                  |
|                       |              | (Con   | ncentration in p   | opbv)         |                      |
| Benzene               | Gas Plant    | 6520   | 6660               | 6590          | 1.1                  |
| Benzylchloride        | Gas Plant    | <40    | <40                |               | ***                  |
| Chlorobenzene         | Gas Plant    | 187    | 192                | 190           | 1.3                  |
| Dichlorobenzenes      | Gas Plant    | 2160   | 2160               | 2160          | 0.0                  |
| 1,1-dichloroethane    | Gas Plant    | 347    | 354                | 350           | 1.0                  |
| 1,2-dichloroethane    | Gas Plant    | 87.8   | 93.4               | 90.6          | 3.1                  |
| 1,1-dichloroethylene  | Gas Plant    | 82.7   | 67.1               | 74.9          | 10                   |
| Dichloromethane       | Gas Plant    | 1980   | 1830               | 1900          | 3.9                  |
| 1,2-dibromoethane     | Gas Plant    | <30    | <30                |               |                      |
| Perchloroethylene     | Gas Plant    | 2890   | 2920               | 2900          | 0.52                 |
| Carbon tetrachloride  | Gas Plant    | <30    | <30                |               | Med                  |
| Toluene               | Gas Plant    | 50000  | 52000              | 51000         | 2.0                  |
| 1,1.1-trichloroethane | Gas Plant    | <20    | <20                |               |                      |

#### QUALITY ASSURANCE SUMMARY (Repeat Analyses) (continued)

| Components           | Sample<br>ID                                  | Run #1                       | Analysis<br>Run #2<br>centration in p | Mean<br>Conc.<br>opbv)       | % Diff.<br>From Mean       |
|----------------------|---|------------------------------|---------------------------------------|------------------------------|----------------------------|
| Trichloroethene      | Gas Plant                                     | 1070                         | 1080                                  | 1080                         | 0.46                       |
| Chloroform           | Gas Plant                                     | <20                          | <20                                   |                              |                            |
| Vinyl chloride       | Gas Plant                                     | 216                          | 225                                   | 220                          | 2.0                        |
| m+p-xylenes          | Gas Plant                                     | 27500                        | 27300                                 | 27400                        | 0.36                       |
| o-xylene             | Gas Plant                                     | 3970                         | 3920                                  | 3940                         | 0.63                       |
| Sulfur Components    |   | (Cond                        | entration in p                        | pmv)                         |                            |
| Hydrogen sulfide     | Gas Plant<br>Flare #3<br>Flare #2<br>Flare #1 | 59.4<br>16.8<br>40.1<br>56.9 | 60.4<br>16.8<br>40.3<br>55.1          | 59.9<br>16.8<br>40.2<br>56.0 | 0.83<br>0.0<br>0.25<br>1.6 |
| Carbonyl sulfide     | Gas Plant                                     | 0.28                         | 0.28                                  | 0.28                         | 0.0                        |
| Methyl mercaptan     | Gas Plant                                     | 3.46                         | 3.57                                  | 3.52                         | 1.6                        |
| Ethyl mercaptan      | Gas Plant                                     | <0.1                         | <0.1                                  |                              | p.==-                      |
| Dimethyl sulfide     | Gas Plant                                     | 7.60                         | 6.98                                  | 7.29                         | 4.2                        |
| Carbon disulfide     | Gas Plant                                     | 0.26                         | 0.22                                  | 0.24                         | 8.3                        |
| iso-propyl mercaptan | Gas Plant                                     | 0.36                         | 0.34                                  | 0.35                         | 2.8                        |
| n-propyl mercaptan   | Gas Plant                                     | <0.06                        | <0.06                                 | na birak                     | ere                        |
| Dimethyl disulfide   | Gas Plant                                     | 0.26                         | 0.25                                  | 0.26                         | 2.0                        |

Four Tedlar bag samples, laboratory numbers 01484-(26-29), were analyzed for SCAQMD 1150.1 components, permanent gases, TGNMO, hydrogen sulfide, and reduced sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 28 repeat measurements from the four Tedlar bag samples is 1.8%.

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# CHAIN OF CUSTODY

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| Shaw                                  | Environmental a  | and Infrastructure Inc.                |          |              |  |             |               |  |  | ٠.       |          |                |     | ·F           |               |           |              |              | Pag             | 0     | 1  | of                      | 1                      |
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| F                                     | hone/Fax Number:   |  |          | nase Order#  |  |             | <u>. : : </u> |  |  | _        | X        | US             | ACE |              | 1             | 1         |              |              |                 |       |  |                         | ٥                      |
| •                                     | Send Report To:  | · · · · · · · · · · · · · · · · · · ·  |          | Destination  |  | inc.        |               | <del></del> -                                    |  | -        | <u>L</u> | NP             | DES | -1           |               |           | 1            |              | 1               | 1     |  |                         | 1 11                   |
|                                       | , <del>-</del>   | 9081Tujunga Avenue                     |          | Lab Contact  | ****   |             |               |  |  | _        | <u>_</u> | RO             | RA  | - 1          |               |           |              |              | NZ)             | · [   |  |                         | 1 1 1 1                |
|                                       | _  | Sun Valley, CA 91352                   | . I      | Lab Phone #  | : <u>(818) 22</u> :                              | 3-3277      | <del></del> _ |  |  | _        |          | O              | her |              |               |           |              |              | 02,             |       | 1 1  | Hng                     | 9                      |
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| •                                     | - tonosi ux trainper.  | 010) 022-3213                          |          |              |  |             | igi i         | =  | 1  |          |          |                |     | _ ≗          | 걸             | Rule 1150 | [ E          | 1 Core       | 888             |       |  | Ē                       | Į ≨                    |
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| BL-001                                | 01484-26   | Gas Plant                              | 05/27/04 | 13:05        | LF   | A           | 1             |  | <del>                                     </del> | _        | _        |                | -   |              | <del> </del>  | +-        | _            | +            | <del>  "-</del> | ╁╾┙   | $\vdash \vdash$                                  |                         | <del> </del> ≥         |
| BL-002                                | 27   | Flare #3                               | 05/27/04 | 11:55        | LF   | A           | 1             |  | 1  |          |          |                |     | _   ×        | <del></del>   | X         | ×            | <del> </del> | +               | ╂┈┦   | ┝╼╂  | 58                      |                        |
| BL-003                                | 28   | Flare #1                               | 05/27/04 | 13:30        | LF   | A           | 1             | <del>                                     </del> |  | $\vdash$ |          |                |     | _   ×        | _             | ×         | +×           | +            | ┼—              | ╂┻╌┦  | <del>                                     </del> | 20                      |                        |
| BL-004                                | 29   | Flare #2                               | 05/27/04 | 13:00        | LF   | A           | 1             |  |  |          |          |                | }-  | ×            | _             | ×         |              |              | ┼               |       |  | 58                      |                        |
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# APPENDIX F AMBIENT AIR SAMPLING

- Laboratory Analysis
- Chain of Custody
- Wind Speed and Direction Records





23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250

#### LABORATORY ANALYSIS REPORT

environmental consultarits laboratory services

SCAQMD Rule 1150.1 Components Analysis in Ambient Air Tedlar Bag Samples

Report Date: May 6, 2004

Client: Waste Management

Site: Bradley Landfill

Date Received: May 4, 2004 Date Analyzed: May 4, 2004

| AtmAA Lab No.:<br>Sample I.D.: | 01254-5<br>Ambient Air<br>AA-1 | 01254-6<br>Ambient Air<br>  AA-2 | 01254-7<br>Ambient Air<br>AA-3 | 01254-8<br>Ambient Air<br>AA-4 |
|--------------------------------|--------------------------------|----------------------------------|--------------------------------|--------------------------------|
| Components                     | , , , , , ,                    | (Concentration                   |                                |                                |
| Methane                        | 1.84                           | 2.02                             | 1.93                           | 2.00                           |
| TGNMO                          | 2.68                           | 2.37                             | 1.48                           | 2.33                           |
|                                |                                | (Concentratio                    | na in mahw)                    |                                |
| Hydrogen sulfide               | <50                            | <50                              | <50                            | <50                            |
| Benzene                        | 0.23                           | 0.32                             | 0.24                           | 0.87                           |
| Benzylchloride                 | <0.4                           | <0.4                             | <0.4                           | <0.4                           |
| Chlorobenzene                  | , <0.1                         | <0.1                             | <0.1                           | <0.1                           |
| Dichlorobenzenes*              | <1.1                           | <1.1                             | <1.1                           | <1.1                           |
| 1,1-dichloroethane             | <0.1                           | <0.1                             | <0.1                           | <0.1                           |
| 1,2-dichloroethane             | <0.1                           | <0.1                             | <0.1                           | <0.1                           |
| 1,1-dichloroethylene           | <0.1                           | <0.1                             | <0.1                           | <0.1                           |
| Dichloromethane                | 0.14                           | 0.13                             | <0.1                           | 0.19                           |
| 1,2-dibromoethane              | <0.1                           | <0.1                             | <0.1                           | <0.1                           |
| Perchloroethene                | <0.1                           | <0.1                             | <0.1                           | <0.1                           |
| Carbon tetrachloride           | 0,11                           | 0.11                             | 0.11                           | 0.12                           |
| Toluene                        | 1.58                           | 1.51                             | 1.18                           | 8.46                           |
| 1,1,1-trichloroethane          | <0.1                           | <0.1                             | <0.1                           | 0.12                           |
| Trichloroethene                | 0.10                           | 0.11                             | <0.1                           | <0.1                           |
| Chloroform                     | <0.1                           | <0.1                             | <0.1                           | <0.1                           |
| Vinyl chloride                 | <0.1                           | <0.1                             | <0.1                           | <0.1                           |
| m+p-xylenes                    | 0.62                           | 0.57                             | 0.60                           | 3.06                           |
| o-xylene                       | 0.11                           | 0.10                             | 0.10                           | 0.51                           |

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.

Michael L. Porter Laboratory Director

<sup>\*</sup> total amount containing meta, para, and ortho isomers

## QUALITY ASSURANCE SUMMARY (Repeat Analyses)

Site: Bradley Landfill Date Received: May 4, 2004 Date Analyzed: May 4, 2004

|                       | Sample<br>ID | Run #1 | Analysis<br>Run #2 | Mean<br>Conc.       | % Diff.<br>From Mean |
|-----------------------|--------------|--------|--------------------|---------------------|----------------------|
| Components            |              | (Conc  | entration in p     | pmv)                |                      |
| Methane               | AA-1         | 1.79   | 1.90               | 1.84                | 3.0                  |
| TGNMO                 | <b>AA-</b> 1 | 2.69   | 2.68               | 2.68                | 0.19                 |
|                       |              |        | entration in p     | pbv)                |                      |
| Hydrogen sulfide      | AA-1         | <50    | <50                |                     | ***                  |
| Benzene               | AA-1         | 0.23   | 0.23               | 0.23                | 0.0                  |
| Benzylchloride        | <b>A</b> A-1 | <0.4   | <0.4               | <del>01-71-10</del> |                      |
| Chlorobenzene         | AA-1         | <0.1   | <0.1               |                     |                      |
| Dichlorobenzenes      | AA-1         | <1.1   | <1.1               | ***                 |                      |
| 1,1-dichloroethane    | AA-1         | <0.1   | <0.1               |                     |                      |
| 1,2-dichloroethane    | <b>AA-1</b>  | <0.1   | <0.1               | <del></del>         |                      |
| 1,1-dichloroethylene  | AA-1         | <0.1   | <0.1               |                     |                      |
| Dichloromethane       | AA-1         | 0.15   | 0.12               | 0.14                | 11                   |
| 1,2-dibromoethane     | AA-1         | <0.1   | <0.1               | = 47                |                      |
| Perchloroethene       | <b>AA-1</b>  | <0.1   | <0.1               | •                   |                      |
| Carbon tetrachloride  | AA-1         | 0.11   | 0.11               | 0.11                | 0.0                  |
| Toluene               | AA-1         | 1.57   | 1.58               | 1.58                | 0.32                 |
| 1,1,1-trichloroethane | AA-1         | <0.1   | <0.1               |                     |                      |
| Trichloroethene       | 'AA-1        | 0.11   | 0.10               | 0.10                | 4.8                  |
| Chloroform            | AA-1         | <0.1   | <0.1               |                     |                      |
| Vinyl chloride        | AA-1         | <0.1   | <0.1               |                     | •                    |
| m+p-xylenes           | AA-1         | 0.62   | 0.61               | 0.62                | 0.81                 |
| o-xylene              | AA-1         | 0.10   | 0.12               | 0.11                | 9.1                  |

Four Tedlar bag samples, laboratory numbers 01254-(5-8), were analyzed for SCAQMD Rule 1150.1 components. methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 9 repeat measurements from four Tedlar bag samples is 3.2%.



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| ]                             | Environ           | mental Inc.  | ·.   |             | 15                               | TA.                                     | 1.1        | 11                   | 7 <u>.</u> .     |              |             |                                  |                |
| :                             | 865 Via Lata • Ci | Olton, California 92324  |  |             | in Mi                            | 1/0                                     | 1 16       | 1,57                 |                  |              | . [         |                                  | ٠.,            |
|                               | (200) 422-1001    | Fax (909) 422-0707   |  | ]           | · ·                              | • • •                                   | • • •      |                      | :                | •            |             | • •                              |                |
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| DA-U                          | 5-2/3-04                      | 7160 - 0900  |                      |             | 11                    |             | V                  | ×           |              |        |                |              | <del></del>           | <del></del> |
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|                               |                               |  |                      |             |                       |             |                    |             |              |        |                | <del>-</del> | <del></del> <u></u> - |             |
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| Mark                          | 1                             | 1/1/   |                      | Date        | Time                  | Receive     | ed by: <i>(Si</i>  | gnature)    | <del>J</del> | 1      | <del></del>    | Dat          | e                     | Ţime        |
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| 10                            | $M_{1}$                       | f.   |                      | Date        | Time                  | Receive     | ed by: <i>(Sig</i> | gnature)    |              |        | <del></del>    | Dat          | е                     | Time        |
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|                               | •                             |  |                      | Date        | Time                  | Receive     | ed for Lab         | oratory: (8 | Signatur     | e)     |                | Dat          | 9                     | Time        |
| ample Disposal Meth           | od:                           |  |                      | Disass      | *                     |             |                    |             |              |        |                |              | •                     |             |
|                               | •                             |  |                      | Disposi     | ed of by: (Signature) |             |                    |             |              |        |                | Date         | 9                     | Time        |
| Sample Collector              |                               |  | <del></del>          | Apalue      | al Laboratory         |             |                    | 7-1         |              |        |                |              |                       | }           |
|                               | RIDE                          |  | ź.                   | Anasyuc     | .a. Laboratory        |             |                    |             |              |        |                |              |                       | <i>I</i>    |
| ]                             | Environs<br>865 Via Lata • Co | mental Inc.<br>Ilton, California 92324<br>Fax (909) 422-0707 |                      | ÷           | A.                    | TA          | 1,1                | -1,A        | 1 .          |        |                |              | <del></del>           |             |

| Client/Proje  |                   |  |   | N OF CU       | ODY F            | RECOR     | D     |                                  |            | Į.   |        |       |      |       |
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| Sampler (Print)   | ) t (             |  | (Signature)                               | ·             |                  | Nó. Of Co | -     |                                  |            |      | /,     | //    | /    |       |
| Sample No./<br>Identification   | Date              | · Time   | Lab Sample<br>Number                      |               | Type o<br>Sample |           |       |                                  |            |      |        |       | Rem  | Brks: |
| 6113 86   | 4/25/64           | 1065-1000  |   | 1 –           | 5 101            |           | £ +-  | >                                | <i>j</i>   |      |        |       |      |       |
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| A Company   |                   |  |   |               |                  |           |       |                                  |            |      |        |       | -    |       |
| Relinquished by: (Signal Relinquished Betweet |                   |  | •••                                       | Date          | Time             | fe.       | in fr | Hignature<br>Tropon<br>Hignature | n.         | -    |        |       | 1-30 | Time  |
| Relinquished by: (Sign  | aature)           |  |   | Date          | Time             |           |       |                                  | : (Signati | ure) |        | Dat   |      | Time  |
| Sample Disposal Meth  | od:               |  |   | Disposed of   | by: (Signature   | )         |       | <u> </u>                         | •.         | -    | —————— | Date  |      | Time  |
| Sample Collector  | RIX               |  | er.                                       | Analytical La | Admac            |           | •     | ·                                | :          |      |        |       |      |       |
|   | 865 Via Lata • Co | mental Inc.<br>Olton, California 92324<br>Fax (909) 422-0707 | <u>!</u>                                  |               |                  |           |       |                                  |            |      |        |       |      |       |

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Atm AA Inc.

23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250

### LABORATORY ANALYSIS REPORT

environmental consultants laboratory services

SCAQMD Rule 1150.1 Components Analysis in Ambient Air Tedlar Bag Samples

Report Date: May 10, 2004

Client: Waste Management

Site: Bradley Landfill

Date Received: May 4, 2004 Date Analyzed: May 4, 2004

| AtmAA Lab No.:<br>Sample I.D.:<br>Components | 01254-5<br>Ambient Air<br>AA-1 | 01254-6<br>Ambient Air<br>AA-2 | 01254-7<br>Ambient Air<br>AA-3 | 01254-8<br>Ambient Air<br>AA-4 |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Components                                   |                                | (Concentration                 | on in ppmv)                    |                                |
| Methane<br>TGNMO                             | 1.84<br>2.68                   | 2.02<br>2.37                   | 1.93<br>1.48                   | 2.00<br>2.33                   |
| Hidenes - Jr.                                |                                | (Concentratio                  | n in pobv)                     | •                              |
| Hydrogen sulfide.<br>Benzene                 | <50                            | <50                            | . <50                          | <50                            |
| Benzylchloride                               | 0.23                           |                                | 0.24                           | 0.87                           |
| Chlorobenzene                                | <0.4                           | <0.4                           | <0.4                           | <0.4                           |
| Dichlorobenzenes*                            | <0.1                           | <0.1                           | <0.1                           | <0.1                           |
| 1,1-dichloroethane                           | <1.1                           | <1.1                           | <1.1                           | <1.1                           |
| 1,2-dichloroethane                           | <0.1                           | <0.1                           | <0.1                           | <0.1                           |
| 1,1-dichloroethylene                         | <0.1<br><0.1                   | <0.1                           | <0.1                           | · <0.1                         |
| Dichloromethane                              | 0.14                           | <0.1                           | <0.1                           | <0.1                           |
| 1,2-dibromoethane                            | <0.14                          | 0.13                           | <0.1                           | 0.19                           |
| Perchloroethene                              | <0.1                           | <0.1                           | <0.1                           | <0.1                           |
| Carbon tetrachloride                         | 0.11                           | <0.1                           | <0.1 ***                       | <0.1                           |
| Toluene                                      | 1.58                           | 0.11                           | 0.11                           | 0.12                           |
| 1,1,1-trichloroethane                        | <0.1                           | 1.51                           | 1.18                           | 8.46                           |
| Trichloroethene                              | 0.10                           | <0.1                           | <0.1                           | 0.12                           |
| Chloroform                                   | <0.1                           | 0.11                           | <0.1                           | <0.1                           |
| Vinyl chloride                               | <0.1                           | <0.1                           | <0.1                           | <0.1                           |
| m+p-xylenes                                  | 0.62                           | <0.1<br>0.57                   | <0.1                           | <0.1                           |
| o-xylene                                     | 0.11                           | 0.57                           | 0.60                           | 3.06                           |
|  |                                | 0.10                           | 0.10                           | 0.51                           |

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
\* total amount containing meta, para, and ortho isomers

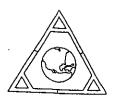
Michael L. Porter Laboratory Director

# QUALITY ASSURANCE SUMMARY (Repeat Analyses)

Site: Bradley Landfill Date Received: May 4, 2004 Date Analyzed: May 4, 2004

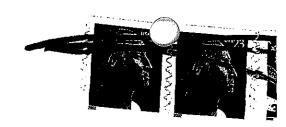
| <u>Components</u>     | Sample<br>ID | Run #1       | nt Analysis<br>Run #2  | Mean<br>Conc.        | % Diff. |
|-----------------------|--------------|--------------|------------------------|----------------------|---------|
| Methane .             | AA-1         | (Cor<br>1.79 | icentration in<br>1.90 | <i>ppmv)</i><br>1.84 | 3.0     |
| TGNMO                 | AA-1         | 2.69         | 2.68                   | 2.68                 | 0.19    |
| Hydrogen sulfide      | ,<br>* AA-1  | (Cor.<br><50 | centration in<br><50   | ppbv)<br>            | ~~~     |
| Benzene               | AA-1         | 0.23         | 0.23                   | 0.23                 | 0.0     |
| Benzylchloride        | AA-1         | <0.4         | <0.4                   |                      |         |
| Chlorobenzene         | . AA-1       | <0.1         | <0.1                   | ****                 |         |
| Dichlorobenzenes      | AA-1         | <1.1         | <1.1                   | <b>.</b>             | ***     |
| 1,1-dichloroethane    | AA-1         | <0.1         | <0.1                   |                      |         |
| 1,2-dichloroethane    | AA-1         | <0.1         | <0.1                   |                      |         |
| 1,1-dichloroethylene  | *AA-1        | <0.1         | <0.1                   | N=1.                 |         |
| Dichloromethane       | AA-1         | 0.15         | 0.12                   | 0.14                 | . 11    |
| 1,2-dibromoethane     | AA-1         | <0.1         | <0.1                   |                      | 71      |
| Perchloroethene       | AA-1         | <0.1         | <0.1                   |                      |         |
| Carbon tetrachloride  | AA-1         | 0.11         | 0.11                   | 0.11                 | 0.0     |
| Toluene               | AA-1         | 1.57         | 1.58                   | 1.58                 | 0.32    |
| 1,1,1-trichloroethane | AA-1         | <0.1         | <0.1                   | 700                  | V.02    |
| Trichloroethene       | AA-1         | 0.11         | 0.10 ·                 | 0.10                 | 4.8     |
| Chloroform            | AA-1         | <0.1         | <0.1                   |                      |         |
| Vinyl chloride        | AA-1         | <0.1         | <0.1                   |                      |         |
| m+p-xylenes           | AA-1         | 0.62         | 0.61                   | 0.62                 | 0.81    |
| o <sup>‡</sup> xylene | AA-1         | 0.10         | 0.12                   | 0.11                 |         |
| <b></b>               | ,            | ••           | V. 12                  | 0.11                 | 9.1     |

Four Tedlar bag samples, laboratory numbers 01254-(5-8), were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 9 repeat measurements from four Tedlar bag samples is 3.2%.



| Client/Proje                  | e                |   | CHAI                 | N OF     | C/ODY REC             | CORD            |             |             |             |      | and the state of t |                 |             |
|-------------------------------|------------------|---|----------------------|----------|-----------------------|-----------------|-------------|-------------|-------------|------|--|-----------------|-------------|
| 1 ' '                         | ·=·              | 1.10-111                                      | Project Locatio      | n        |                       |                 | ·           | 7           |             |      | 1  |                 |             |
| Project No.                   | 19 4             | ANDFIC(                                       | Field I              | <u>_</u> | u VVI                 | 1/              |             |             | A           | ANAL | YSES   |                 |             |
|                               |                  |   | Field Logbook No     |          | -                     | /               |             | /           | 7           | 7    | / /  | 1               |             |
| Sampler: (Print)              |                  |   | (Signature)          |          |                       |                 | /           |             |             |      |  |                 |             |
| Chris                         | Sim              | merford                                       | M                    | 1        | No.                   | Of Containers   |             |             | ///         | / ,  |  |                 | •           |
| Sample No./<br>Identification | Date             | · Time  | Lab Sample<br>Number |          | Type of<br>Sample     |                 |             | **          |             | /    |  | Remarks         |             |
| AA-1                          |                  | 0900-2100                                     | 01254-5              |          | ANBIENT               | = ( %           | 1           |             | <del></del> |      | 1150,  | /               | ···         |
| AA -2                         | 5-43-04          | 0902-2000                                     | -6                   |          | 11                    | ×               | ×           |             |             |      | 1190,  |                 | ···-··      |
| AA -7<br>AA -4                |                  | 200-0900                                      | -7                   |          | •10                   | مرا             | X           | -           |             |      |  |                 |             |
| AA -4                         | 3-43-09          | 200 - 09CD                                    | -8                   |          | 10                    | X               | X           |             |             |      |  | ····            | <del></del> |
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| Relinquished by: (Sign        | natúre) / t      | •   | ;                    | Date     | Time R                | eceived for Lal | poratory.   | (Şignatur   | e) /        |      | Date   | / Time          |             |
| Sample Disposal Meth          | <u> Muman</u>    | m   |                      | 5-4      | 114//50               | M               | S           | )<br>MA     | 4           |      | esta/  | 4/15            | 0           |
| - Sierra Biopoda Wiea         | iou,             |   |                      | Dispos   | ed of by: (Signature) |                 | <i>) 1</i>  | U           |             |      | Date/  | Time            |             |
| Sample Collector              |                  |   |                      |          |                       |                 |             |             |             |      |  |                 |             |
|                               | 1010             |   |                      | Analytic | cal Laboratory        |                 |             | -           |             |      |  | <u></u>         |             |
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|                               | Environ          | mental Inc                                    | •                    |          | A.T.                  | -1/1            | 14 A        | 1           |             |      |  |                 | <u>.</u>    |
|                               | 865 Via Lata • C | olton, California 92324<br>Fax (909) 422-0707 |                      |          | /) ( (                | 1-1,0           | <b>",</b> " | · /         |             |      |  |                 |             |
|                               | . , == :501      | - an (000) 122-0/0/                           |                      |          |                       |                 |             |             |             |      |  |                 |             |
|                               |                  |   |                      |          |                       |                 |             |             |             |      | . 1  |                 | - 1         |

2.3



AtmAA Inc. 23917 Craftsman Rd. Calabasas, CA 91302

TO:

**SCS Field Services** 

3711 Long Beach Blvd. 9th Floor Long Beach, CA 90807-3315

Attn: Sederholm, Debby

| Client/Pi         | roje ne                               |                                       |   | CHAI<br>Project Location              | N OF C           |         | TODY R            | ECOR   | D           | <del></del> | ·····       | ·        |             |             |  | )            |
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| SC S<br>Project N | 1.0c.                                 | slemen                                | Go Ca   | Field Logbook No                      |                  | l.,     | 11:11             |  |             |             | /           |          | ANA         | LYSI        | ≣S/                                    |              |
| Sampler           | (Print)                               |                                       |   |                                       |                  |         |                   |  |             |             | /           | / /      | / /         | / /         | / /                                    |              |
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| Samj<br>Identi    | ole No./<br>ification                 | Date                                  | Time  | Lab Sample<br>Number                  |                  |         | Type of<br>Sample | <u>· ·                                    </u> |             |             |             |          |             |             | /<br>Rema                              | auleo.       |
| (                 | <u>46</u>                             | 4/26/10                               | 1015-1074                                     |                                       |                  | 155     | ) IVL             | 1.06   |             | >           | -           |          |             |             | THEFT                                  | arns         |
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|                   | · · · · · · · · · · · · · · · · · · · |                                       |   | <u>.</u>                              |                  |         |                   |  |             |             |             |          |             |             |  |              |
|                   |                                       |                                       |   |                                       |                  |         | ·····             | <del></del>                                    | ·           |             |             |          |             |             | ······································ |              |
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|                   | T.D.                                  |                                       |   |                                       | Date 4/30/       | ,       | Time<br>8:33      | ,  | ed by: (5   | ignature    | nan         | <u> </u> | <u> </u>    | <u> </u>    | Date                                   | Time         |
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| Relinquishe       | ed by: <i>(Sigr</i>                   | nature)                               |   | <u> </u>                              | Date             |         |                   | D  |             |             | <del></del> |          |             |             |  |              |
|                   |                                       |                                       |   |                                       | Date             |         | Time              | Heceive  | ed for Lai  | oratory:    | (Signati    | ure)     |             |             | Date                                   | Time         |
| Sample Dis        | posal Meth                            | od:                                   |   |                                       | Disposed         | of by   | : (Signature)     |  |             |             | <del></del> | •        | <del></del> |             | Date                                   | Time         |
| Sample Co         | llector                               | · · · · · · · · · · · · · · · · · · · |   | · · · · · · · · · · · · · · · · · · · | Analytical       | I I aho | ratoni            |  | <del></del> |             |             |          |             |             |  |              |
|                   |                                       | RIN                                   |   |                                       | rindiyilda       |         | 1 Mac             |  |             |             |             |          |             |             |  |              |
|                   |                                       |                                       | mental Inc                                    |                                       |                  | / 1     | 1 12 1646         |  |             |             |             |          |             |             |  | ٠            |
|                   | •                                     | 865 Via Lata • Ci                     | olton, California 92324<br>Fax (909) 422-0707 | <del>-</del><br>!                     |                  |         |                   |  |             |             |             |          |             |             |  |              |
|                   |                                       | ,,                                    | (000) 422-0707                                |                                       |                  |         |                   |  |             |             |             |          |             |             |  |              |

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Wind Direction (16 points) Data:

Station: BRADLEY
Period: MAY, 2004

#### Clock Time

| Date | O  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
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| 1    | -  | - | - | - | - | - | - | - | - | - | -  | -  | _  | -  | _  | -  | -  | _  | _  | _  | _  | _  | _  | _  |
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Data:

Wind Speed (MPH)

Station: BRADLEY

MAY, 2004 Period:

#### Clock Time

| Date        | 0      | 1      | 2      | 3      | 4      | 5      | 6      | 7 | 8 | 9 | 10 | 11     | 12     | 13 | 14 | 15 | 16 | 17     | 18      | 19     | 20 | 21 | 22     | 23 | MAX          | HR.          | AVE.                 |
|-------------|--------|--------|--------|--------|--------|--------|--------|---|---|---|----|--------|--------|----|----|----|----|--------|---------|--------|----|----|--------|----|--------------|--------------|----------------------|
| 1<br>2<br>3 |        |        |        |        |        |        | 4      |   |   |   |    |        |        |    |    |    |    |        |         |        | 3  |    |        |    | -<br>10<br>5 | 0<br>18<br>3 | 0.00<br>5.36<br>3.40 |
| AV<br>SD    | 4<br>0 | 2<br>0 | 4<br>0 | 5<br>0 | 5<br>0 | 4<br>0 | 4<br>0 | 3 | 1 | 2 | 2  | 4<br>0 | 4<br>0 | 6  | 8  | 8  | 8  | 9<br>0 | 10<br>0 | 4<br>0 | 3  | 3  | 3<br>0 | 3  |              |              | 4,38                 |

Data:

Wind Rose

Station: BRADLEY

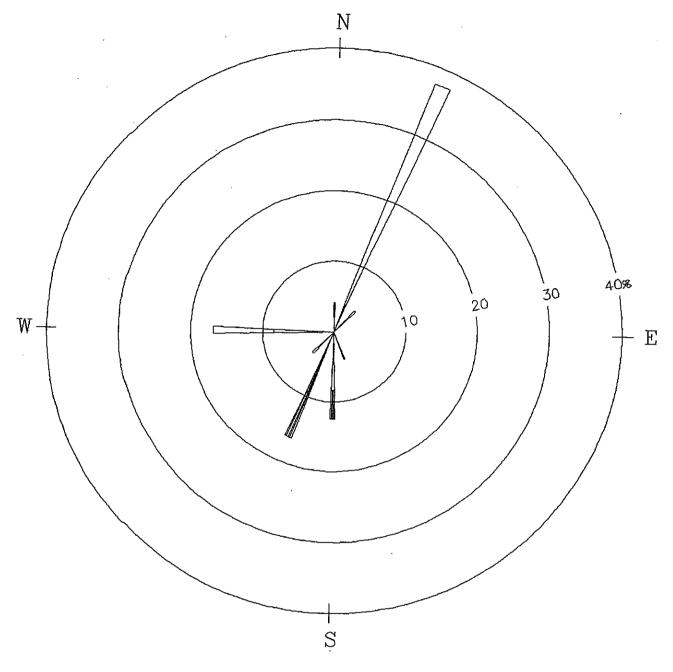
Period:

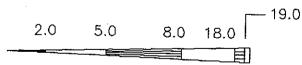
MAY 02, 2004

Hours: 10 - 09

#### Wind Speed and Direction Frequency Distribution

| <b>D</b> : |           |         |      | lind Speed (M | PH) Group |      |        |           |
|------------|-----------|---------|------|---------------|-----------|------|--------|-----------|
| Direct     | ion   0-2 | 3-5<br> | 6-8  | 9-18          | 19+       | тот  | %тот   | AVE SPEED |
| 16         | 0.0       | 4.1     | 0.0  | 0.0           | 0.0       | 1.0  | 4.17   | 4.00      |
| 1          | 4.1       | 33.0    | 0.0  | 0.0           | 0.0       | 9.0  | 37.50  | 3.67      |
| 2          | 0.0       | 4.1     | 0.0  | 0.0           | 0.0       | 1.0  | 4.17   | 3.00      |
| 3          | 0.0       | 0.0     | 0.0  | 0.0           | 0.0       | 0.0  | 0.00   | 0.00      |
| ()4        | 0.0       | 0.0     | 0.0  | 0.0           | 0.0       | 0.0  | 0.00   | 0.00      |
| 5          | 0.0       | 0.0     | 0.0  | 0.0           | 0.0       | 0.0  | 0.00   | 0.00      |
| 6          | 0.0       | 0.0     | 0.0  | 0.0           | 0.0       | 0.0  | 0.00   | 0.00      |
| 7          | 4.1       | 0.0     | 0.0  | 0.0           | 0.0       | 1.0  | 4.17   | 2.00      |
| 8          | 4.1       | 4.1     | 4.1  | 0.0           | 0.0       | 3.0  | 12.50  | 4.00      |
| 9          | 4.1       | 0.0     | 12.0 | 0.0           | 0.0       | 4.0  | 16.67  | 6.25      |
| 10         | 0.0       | 4.1     | 0.0  | 0.0           | 0.0       | 1.0  | 4.17   | 4.00      |
| 11         | 0.0       | 0.0     | 0.0  | 0.0           | 0.0       | 0.0  | 0.00   | 0.00      |
| 12         | 0.0       | 8.3     | 0.0  | 8.3           | 0.0       | 4.0  | 16.67  | 6.50      |
| 13         | 0.0       | 0.0     | 0.0  | 0.0           | 0.0       | 0.0  | 0.00   | 0.00      |
| 14         | 0.0       | 0.0     | 0.0  | 0.0           | 0.0       | 0.0  | 0.00   | 0.00      |
| 15         | 0.0       | 0.0     | 0.0  | 0.0           | 0.0       | 0.0  | 0.00   | 0.00      |
| MSG        | 0.0       | 0.0     | 0.0  | 0.0           | 0.0       | 0.0  | 0.00   | 0.00      |
| ТОТ        | 16.0      | 58.0    | 16.0 | 8.3           | 0.0       | 24.0 | 100.00 | 2.09      |





WIND SPEED CLASS BOUNDARIES (MILES/HOUR)

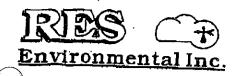
NOTES:

DIAGRAM OF THE FREQUENCY OF OCCURRENCE FOR EACH WIND DIRECTION. WIND DIRECTION IS THE DIRECTION FROM WHICH THE WIND IS BLOWING. EXAMPLE — WIND IS BLOWING FROM THE NORTH 4.2 PERCENT OF THE TIME.

# WINDROSE

BRADLEY

PERIOD: 5/2/04



| PROJECT/SITE:               | BRADLey                                 | /                       | BAG#               |                    |                 |
|-----------------------------|---|-------------------------|--------------------|--------------------|-----------------|
| DATE PREPARED:              | 4-30-04 PI                              | REPARED BY:             | cm                 | 7                  |                 |
| SAMPLER#                    | ı                                       | UN DATE:                |                    | 14                 |                 |
|                             |   | BAG INSTALLAT           | IOŇ                |                    |                 |
| BAG INSTALLED BY:_          | cus                                     | )                       | DATE:              | 5-2-04             |                 |
| FLOW READING:&              | SCC_ADJUST                              | ED?() N                 | <b>o</b> ()        | OPEN VALVE         | •               |
| TIME STARTED:<br>LOCAL 0900 | • |                         |                    |                    |                 |
| LOCATION:                   | AA-1                                    |                         | ·<br>· ·           | ,                  |                 |
|                             |   |                         | ******             |                    |                 |
| BAG REMOVED BY:             | cup                                     | BAG REMOVAI             |                    | 5-3-04             | <b></b>         |
| CLOSE VALVE                 | FLOW A                                  | Г END; 85 CC            |                    |                    |                 |
| BAG STATUS: F               | orr 🖔                                   | 1/2 FULL ()             |                    | EMPTY ()           |                 |
| TIME ENDED:                 |   |                         |                    |                    | •               |
| LOCAL 2/00                  |   |                         |                    |                    | •               |
| SAMPLER STATUS:             | ,<br>,                                  | WORKING (               | NO<br>in comments) | T WORKING ()       |                 |
| BATTERY STATUS G            | 00D () BA                               | <b>D</b> ()             |                    |                    |                 |
| COMMENTS:                   |   |                         |                    |                    | •               |
|                             |   |                         |                    |                    |                 |
|                             | •                                       | •                       | ,                  |                    |                 |
| REVIEWED BY:                | <u> </u>                                |                         |                    |                    | <del></del> - : |
|                             | Coltón, Californ                        | ia 92324 <b>=</b> (909) | 422-1001           | Fax (909) 422-0707 |                 |



| PROJECT/SITE: Z3                       | RADley             | BAG#_           |       |
|--|--------------------|-----------------|-------|
| DATE PREPARED:                         | 30-04 PREPARED BY: |                 | ,     |
|  | RUN DATE:          |                 |       |
|  |                    |                 |       |
|  | BAG INSTALI        | ∡ATION          |       |
| BAG INSTALLED BY:                      | como               | DATE: 5-2-0     | 4     |
| FLOW READING: 85°                      | ADJUSTED ? ( )     | NO () OPEN VAL  | VE (X |
| TIME STARTED:                          |                    |                 | ^/    |
| LOCAL SOO                              |                    |                 | •     |
| LOCATION;                              | AA-3               |                 |       |
| ************************************** |                    |                 | •     |
|  | BAG REMOV          | · · · · · · · · |       |
| BAG REMOVED BY:                        | CMO                | DATE:5-3-09     | · .   |
| CLOSE VALVE                            | FLOW AT END: 85    | <u> </u>        |       |
| BAG STATUS: FULL                       | <b>%</b> 1/2 FULL  | () EMPTY        | ( )   |
| TIME ENDED:                            |                    |                 | ,     |
| LOCAL 6900                             | •                  | ·               |       |
| SAMPLER STATUS:                        | WORKING<br>(spec   | NOT WORKING     | ()    |
| BATTERY STATUS GOOD                    | BAD ()             |                 |       |
| COMMENTS:                              |                    |                 |       |
|  |                    |                 |       |
|  |                    |                 |       |
| REVIEWED BY:                           |                    | **              |       |



| PROJECT/SITE:                         | BRADLEY                 | BAG #                            |
|---------------------------------------|-------------------------|----------------------------------|
|                                       | 4-30-09 PREPARED BY:    |                                  |
| SAMPLER#                              | 2 RUN DATE:             | 5-2-04                           |
|                                       | BAG INSTALLAT           | TION                             |
| BAG INSTALLED E                       | Y:                      | DATE: 5~2~04                     |
| FLOW READING:_                        | 85 CC ADJUSTED?()       | NO () OPEN VALVE (X              |
| TIME STARTED:                         | • •                     | χ,                               |
| LOCAL 6900                            | •                       |                                  |
| OCATION:                              | A.A-2                   |                                  |
| —————— <del>———</del>                 | ·                       |                                  |
|                                       | BAG REMOVA              | L                                |
| AG REMOVED BY                         | CMO                     | DATE: 5-3-04                     |
| LOSE VALVE                            | FLOW AT END: 85         |                                  |
| AG STATUS:                            | FULL ()                 | EMPTY ()                         |
| <u>LME ENDED:</u>                     |                         |                                  |
|                                       |                         | •                                |
| OCAL 2/06                             |                         |                                  |
|                                       | WORKING<br>(specify     | NOT WORKING () y in comments)    |
| AMPLER STATUS:                        | WORKING (specify BAD () | NOT WORKING () y in comments)    |
| AMPLER STATUS:                        | (specify                | () NOT WORKING () y in comments) |
| AMPLER STATUS: ATTERY STATUS OMMENTS: | (specify                | NOT WORKING () in comments)      |



| PROJECT/SITE:  | _ BRUID!                              | ey              | BAG#     |                                       |
|--|---------------------------------------|-----------------|----------|---------------------------------------|
| DATE PREPARED:   | 4-30-0                                | PREPARED BY:    |          | 2                                     |
|  |                                       | RUN DATE:       |          | 14                                    |
|  | سن اینو هست سبب سبب اینو شده اینو شده | BAG INSTALL     | ATION    | · · · · · · · · · · · · · · · · · · · |
| BAG INSTALLED B  | X:                                    | w               | DATE;    | 5-2-04                                |
| FLOW READING:_   | 85°CC_AI                              | JUSTED ? ( )    | NO ()    | OPEN VALVE                            |
| TIME STARTED:  | •                                     | · ,             |          | •                                     |
| FOCYT STOO   |                                       |                 |          |                                       |
| LOCATION:  | AA                                    | -4:             |          | ·                                     |
|  | ·                                     |                 |          |                                       |
|  |                                       | BAG REMOV       | <br>VAT. |                                       |
| BAG REMOVED BY   | : CM                                  | 0               |          | 5-3-04                                |
|  |                                       | OW AT END: 85   | _        |                                       |
| ŕ  | •                                     |                 |          |                                       |
| BAG STATUS:  | FULL (/)                              | 1/2 KULL        |          | EMPTV ()                              |
|  | FULL (/)                              | 1/2 KULL        | ()       | EMPTY ()                              |
| TIME ENDED:  | FULL (/)                              | 1/2 FULL        |          | EMPTY ()                              |
| TIME ENDED:<br>LOCAL_0760  | FULL (/)                              | WORKING         | -        | T WORKING ()                          |
| TIME ENDED: LOCAL 0960 SAMPLER STATUS:   |                                       | WORKING<br>(spe | G (*) NO | T WORKING ()                          |
| TIME ENDED: LOCAL 6960 SAMPLER STATUS: BATTERY STATUS                            |                                       | WORKING<br>(spe | G (*) NO | T WORKING ()                          |
| BAG STATUS;  TIME ENDED:  LOCAL 0960  SAMPLER STATUS;  BATTERY STATUS  COMMENTS: |                                       | WORKING<br>(spe | G (*) NO | T WORKING ()                          |

# APPENDIX G TEDLAR BAG QUALITY ASSURANCE AND CONTROL

• Tedlar Bag Checklist



| PROJECT/SITE: ZRAD/ey           | BAG#                                 |
|---------------------------------|--------------------------------------|
| DATE PREPARED: 4-30-09 PREPAREI |                                      |
| SAMPLER# 2 RUN DATE             |                                      |
| BAG INS                         | TALLATION                            |
| BAG INSTALLED BY:               | DATE: 5-2-04                         |
| FLOW READING: 85 CC_ADJUSTED?() | NO () OPEN VALVE (X                  |
| TIME STARTED:                   | <b>X</b>                             |
| LOCAL 0900                      |                                      |
| LOCATION: $AA-1$                |                                      |
|                                 |                                      |
| BAG RI                          | EMOVAL                               |
| BAG REMOVED BY:                 | DATE: 5-3-04                         |
| CLOSE VALVE / FLOW AT END:_     |                                      |
| BAG STATUS: FULL (/) 1/2 FU     | ULL () EMPTY ()                      |
| TIME ENDED:                     |                                      |
| LOCAL_2/00                      |                                      |
| SAMPLER STATUS: WOR             | NOT WORKING () (specify in comments) |
| BATTERY STATUS GOOD () BAD ()   |                                      |
| COMMENTS:                       |                                      |
|                                 |                                      |
|                                 |                                      |
|                                 |                                      |



| PROJECT/SITE: ZRAD/ey        | BAG#  |
|------------------------------|---|
| DATE PREPARED: 4-30-04 PRE   |   |
| SAMPLER# 2 RUN               |   |
| В/                           | AG INSTALLATION                                 |
| BAG INSTALLED BY:            | DATE: 5-2-04                                    |
| FLOW READING: 85 CC ADJUSTER | D?() NO () OPEN VALVE (X)                       |
| TIME STARTED:                | () 0121( VIII) (E X)                            |
| LOCAL ZOO                    |   |
| LOCATION: AA-3               |   |
|                              |   |
| ]                            | BAG REMOVAL                                     |
| BAG REMOVED BY:              | DATE: 5-3-09                                    |
| CLOSE VALVE / FLOW AT 1      | END: 85 CC                                      |
| BAG STATUS: FULL 🏈           | 1/2 FULL () EMPTY ()                            |
| TIME ENDED:                  |   |
| LOCAL 0900                   |   |
| SAMPLER STATUS:              | WORKING () NOT WORKING () (specify in comments) |
| BATTERY STATUS GOOD () BAD   | ()  |
| COMMENTS:                    |   |
|                              |   |
|                              |   |
| REVIEWED BY:                 |   |



| PROJECT/SITE: BRADIey         | BAG#   |
|-------------------------------|--|
| DATE PREPARED: 4-30-09 PREPAR |  |
| SAMPLER# 2 RUN DA             |  |
| BAG                           | NSTALLATION                                    |
| BAG INSTALLED BY:             | DATE: 5-2-04                                   |
| FLOW READING: 85 CC ADJUSTED? | ) NO () OPEN VALVE (X                          |
| TIME STARTED:                 | χ)   |
| LOCAL 5905                    |  |
| LOCATION: AA-Z                | ·  |
|                               |  |
| BAC                           | REMOVAL  |
| BAG REMOVED BY:               |  |
| CLOSE VALVE / FLOW AT END     |  |
| BAG STATUS: FULL (/)          | 2 FULL () EMPTY ()                             |
| TIME ENDED:                   |  |
| LOCAL_7/06                    |  |
| SAMPLER STATUS:               | ORKING () NOT WORKING () (specify in comments) |
| BATTERY STATUS GOOD ( BAD (   |  |
| COMMENTS:                     |  |
|                               |  |
| To and last are               |  |
| REVIEWED BY:                  |  |



| PROJECT/SITE: ZRAD/ey        |                           | BAG#        |                  |
|------------------------------|---------------------------|-------------|------------------|
| DATE PREPARED: 4-30-09 PRE   |                           |             |                  |
| SAMPLER# ZRUN                |                           |             |                  |
| В                            | AG INSTALLATION           |             |                  |
| BAG INSTALLED BY:            |                           | ATE:        | 5-2-04           |
| FLOW READING: 85 CC ADJUSTED | )?() NO                   | ( )         | OPEN VALVE (X    |
| TIME STARTED:                |                           | ` ,         | 5.21. (1.12.) y) |
| LOCAL Z/OO                   |                           |             |                  |
| LOCATION: AA-9               |                           |             |                  |
|                              |                           |             |                  |
| 1                            | BAG REMOVAL               |             |                  |
| BAG REMOVED BY:              | •                         | ATE: 5      | -3-04            |
| CLOSE VALVE / FLOW AT I      |                           |             |                  |
| BAG STATUS: FULL 🊫           | 1/2 FULL ()               | <del></del> | EMPTY ()         |
| TIME ENDED:                  |                           |             | ()               |
| LOCAL 0900                   |                           |             |                  |
| SAMPLER STATUS:              | WORKING () (specify in co | NOT v       | WORKING ()       |
| BATTERY STATUS GOOD () BAD   | ()                        |             |                  |
| COMMENTS:                    |                           |             | ·                |
|                              |                           |             |                  |
| \ <b></b>                    |                           |             |                  |
|                              |                           |             |                  |

LONG BEACH CA 90807-5407 P: BROWN **Labels in This Space** ns: \*\* UPS Tracking Label and your address label WEIGHT DIMENSIONAL WEIGHT UPS Next Day Air WEIGHT UPS Worldwide Express<sup>501</sup> Shipping Document EXPRESS (INTL) SATURDAY DELIVERY 1Z F90 205 22 1000 097 9 90205 TELEPHONE 909-422-1001 FROM: RES Environmental, /IA LATA ups UPS Next Day Air® 92324-3915 ΓΟŃ SHIPMENT F902 0579 XJD ID NUMBER 202609 11/00 W WAL 18.0A 04/2002 United Parcel Service, Louisville, KY % Recycled Fiber % Post-Consumer Content) al Shipping Notice — Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and other terms and/or conditions by Road (the "CARR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For stopping places, call 1-800-782-7832.

1030

4014 Long Beach Blvd 3rd Floor SCS Field Services Attn: Ken Pierce

1250505051811 16 07:21:41 2000 0979 Call 1-80( LONG BEACH BLVD LONG BEACH CA 90807-5407 P: BROWN ddress label WEIGHT SATURDAY DELIVERY 4014 Long Beach Blvd 3rd Floor FROM: RES Environmental, Inc. SCS Field Services Attn: Ken Pierce UPS Next Day Air® SHIPMENT F902 0579 XJD 7.115/04

were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For stopping places, call 1-800-782-7832

United Parcel Service, Louisville, K

# APPENDIX H AGENCY CORRESPONDENCE



April 09, 2004

## BRADLEY LANDFILL AND RECYCLING CENTER A WASTE MANAGEMENT COMPANY

9081 Tujunga Avenue Sun Valley, California 91352-(818) 767-6180 (818) 252-3239 Fax (818) 252-3107 24-Hour Community Hotline

Mr. Larry Israel
Air Quality Inspector
South Coast Air Quality Management District
21865 E. Copley Dr.
Diamond Bar, CA 91765

Re: Submittal of Monthly OVA Sweep Data and Perimeter Refuse Boundary Probe Readings for March 2004, pursuant to SCAQMD Settlement Agreement, June 07, 2001, Bradley Landfill and Recycling Center (Facility I.D. No 050310)

Dear Larry:

Waste Management Recycling and Disposal Services of California, Inc., the owner/operator of the Bradley Landfill and Recycling Center (BLRC) is respectfully submitting the attached March 2004 OVA sweep information and perimeter refuse boundary Probe readings, pursuant to the Settlement Agreement entered into on June 07, 2001.

SCS-Field Services (SCS-FS), the third party operator of the landfill gas collection system collected the data during the month of March. Monitoring was conducted over all of the landfill surfaces required by the 1150.1 compliance plan.

Active fill areas, highlighted in orange, were not monitored during this period. Individual well bores and other identified point source emissions are designated in red.

All hot spots were corrected within the two-week period after detection. If you have any questions concerning this submittal, please contact me at (818) 252-3202.

Sincerely,

Bruce Matlock

Compliance Health and Safety Supervisor

Encl.

cc:

Ken Pierce - SCS-FS



May 03, 2004

## BRADLEY LANDFILL AND RECYCLING CENTER A WASTE MANAGEMENT COMPANY

9081 Tujunga Avenue Sun Valley, California 91352 (818) 767-6180 (818) 252-3239 Fax (818) 252-3107 24-Hour Community Hotline

Mr. Larry Israel
Air Quality Inspector
South Coast Air Quality Management District
21865 E. Copley Dr.
Diamond Bar, CA 91765

Re: Submittal of Monthly OVA Sweep Data and Perimeter Refuse Boundary Probe Readings for April 2004, pursuant to SCAQMD Settlement Agreement, June 07, 2001, Bradley Landfill and Recycling Center (Facility I.D. No 050310)

Dear Larry:

Waste Management Recycling and Disposal Services of California, Inc., the owner/operator of the Bradley Landfill and Recycling Center (BLRC) is respectfully submitting the attached April 2004 OVA sweep information and perimeter refuse boundary Probe readings, pursuant to the Settlement Agreement entered into on June 07, 2001.

SCS-Field Services (SCS-FS), the third party operator of the landfill gas collection system collected the data during the month of April. Monitoring was conducted over all of the landfill surfaces required by the 1150.1 compliance plan.

Active fill areas, highlighted in orange, were not monitored during this period. Individual well bores and other identified point source emissions are designated in red.

All hot spots were corrected within the two-week period after detection. If you have any questions concerning this submittal, please contact me at (818) 252-3202.

Sincerely,

Bruce Matlock

Burn Matlat

Compliance Health and Safety Supervisor

Encl.

cc:

Ken Pierce - SCS-FS



9081 Tujunga Avenue Sun Valley, California 91352 (818) 767-6180 (818) 252-3239 Fax (818) 252-3107 24-Hour Community Hotline

May 04, 2004

Mr. Larry Israel
Air Quality Inspector
South Coast Air Quality Management District
21865 E. Copley Dr.
Diamond Bar, CA 91765

Re: Submittal of Breakdown Form 500-N for the period including April 05, 2004 through April 24, 2004, Bradley Landfill and Recycling Center (Facility I.D. No 050310)

Dear Larry,

Waste Management Recycling and Disposal Services of California, Inc., the owner/operator of the Bradley Landfill and Recycling Center (BLRC) is respectfully submitting the attached Breakdown Form 500-N for the period including April 05 through April 24, 2004.

No excess emissions were released during the attached events.

If you have any questions concerning this submittal, please contact me at (818) 252-3202.

Sincerely,

Bruce Matlock

Compliance Health and Safety Supervisor

Encl.

cc: Ken Pierce - SCS-FS



9081 Tujunga Avenue Sun Valley, California 91352 (818) 767-6180 (818) 252-3239 Fax (818) 252-3107 24-Hour Community Hotline

May 10, 2004

Mr. Larry Israel Air Quality Inspector South Coast Air Quality Management District 21865 E. Copley Dr. Diamond Bar, CA 91765

Re: Submittal of Breakdown Form 500-N for the period including April 01, 2004 through April 14, 2004, Bradley Landfill and Recycling Center (Facility I.D. No 050310)

Dear Larry,

Waste Management Recycling and Disposal Services of California, Inc., the owner/operator of the Bradley Landfill and Recycling Center (BLRC) is respectfully submitting the attached Breakdown Form 500-N for the period including April 01 through April 04, 2004.

No excess emissions were released during the attached events.

If you have any questions concerning this submittal, please contact me at (818) 252-3202.

Sincerely,

Bruce Matlock

Compliance Health and Safety Supervisor

Encl.

cc: Ken Pierce - SCS-FS

Brue Watt



9081 Tujunga Avenue Sun Valley, California 91352 (818) 767-6180 (818) 252-3239 Fax (818) 252-3107 24-Hour Community Hotline

Mr. Jay Chen, P.E. Public Facilities Branch South Coast Air Quality Management District 21865 East Copley Drive Diamond Bar, CA 91765

RE: Bradley Landfill and Recycling Center, Facility ID No. 050310 Rule 1150.1 First Quarter 2004 Sampling and Analytical Report

Dear Mr.Chen:

Enclosed on behalf of the Bradley Landfill and Recycling Center (BLRC) are the results of monitoring activities conducted pursuant to the Rule 1150.1 Compliance Plan for Bradley Landfill, adopted by the South Coast Air Quality Management District on February 18, 1993 and amended on June 19, 2002. The monitoring activities, which included instantaneous and integrated landfill surface monitoring, ambient air sampling and perimeter probe monitoring/sampling, were conducted in accordance with Bradley Landfill's Rule 1150.1 Compliance Plan.

Responsibility for management of the landfill gas system at BLRC was contractually transferred to a third-party contractor during the third quarter of 1999. On August 1, 1999, SCS-Field Services (SCS) assumed responsibility for the operation and maintenance of the landfill gas collection system and landfill gas processing facility. SCS responsibilities under the contract include sampling the landfill gas system to comply with Rule 1150.1.

If you have any questions or need additional information regarding this matter, please call me at (818) 9684696.

Sincerely,

Dean Wise

Operations Manager

Los Angeles Market Area

Enclosure

cc: John Workman, WMI (w/o enclosures)



9081 Tujunga Avenue Sun Valley, California 91352 (818) 767-6180 (818) 252-3239 Fax (818) 252-3107 24-Hour Community Hotline

May 24, 2004

Mr. Larry Israel
Air Quality Inspector
South Coast Air Quality Management District
21865 E. Copley Dr.
Diamond Bar, CA 91765

Re: Submittal of Breakdown Form 500-N for the period including May 01, 2004 through May 16, 2004, Bradley Landfill and Recycling Center (Facility I.D. No 050310)

Dear Larry,

Waste Management Recycling and Disposal Services of California, Inc., the owner/operator of the Bradley Landfill and Recycling Center (BLRC) is respectfully submitting the attached Breakdown Form 500-N for the period including May 01 through May 16, 2004.

No excess emissions were released during the attached events.

If you have any questions concerning this submittal, please contact me at (818) 252-3202.

Sincerely,

Bruce Matlock

Bree Mattert

Compliance Health and Safety Supervisor

Encl.



9081 Tujunga Avenue Sun Valley, California 91352 (818) 767-6180 (818) 252-3239 Fax (818) 252-3107 24-Hour Community Hotline

June 09, 2004

Mr. Larry Israel
Air Quality Inspector
South Coast Air Quality Management District
21865 E. Copley Dr.
Diamond Bar, CA 91765

Re: Submittal of Breakdown Form 500-N for the period including May 21, 2004 through June 02, 2004, Bradley Landfill and Recycling Center (Facility I.D. No 050310)

Dear Larry,

Waste Management Recycling and Disposal Services of California, Inc., the owner/operator of the Bradley Landfill and Recycling Center (BLRC) is respectfully submitting the attached Breakdown Form 500-N for the period including May 21 through June 02, 2004.

No excess emissions were released during the attached events.

If you have any questions concerning this submittal, please contact me at (818) 252-3202.

Sincerely,

Bruce Matlock

Compliance Health and Safety Supervisor

Encl.



9081 Tujunga Avenue Sun Valley, California 91352 (818) 767-6180 (818) 252-3239 Fax (818) 252-3107 24-Hour Community Hotline

June 10, 2002

Ms. Linda Mills
Public Records Requests
South Coast Air Quality Management District
21865 E. Copley Dr.
Diamond Bar, CA 91765

Re:

Request for copies of Inspection Reports
Bradley Landfill and Recycling Center (Facility ID. No. 050310)

Dear Ms. Mills:

Waste Management Recycling and Disposal Services of California, Inc., the owner/operator of the Bradley Landfill and Recycling Center (BLRC), respectfully requests copies of inspection reports of investigations performed in response to odor complaint associated with Bradley Landfill between October 01, 2002 and April 01, 2004.

This information will be used to assess progress of odor mitigation efforts in the area surrounding the landfill.

If you have any questions concerning this submittal, please contact me at (818) 252-3202.

Sincerely,

Bruce Matlock

Bure Mattak

Compliance Health and Safety Supervisor

Encl.

cc:

Doug Corcoran, District Manager

f/SCAQMD Correspondence (w/o encl.)



9081 Tujunga Avenue Sun Valley, California 91352 (818) 767-6180 (818) 252-3239 Fax (818) 252-3107 24-Hour Community Hotline

June 15, 2004

Mr. Ted Kowalczyk South Coast Air Quality Management District 21865 E. Copley Drive Diamond Bar, CA 91765

Re:

SUBMITTAL OF 2004 ANNUAL EMISSIONS TEST RESULTS FOR LANDFILL GAS FLARES 1, 2 AND 3, BRADLEY LANDFILL AND RECYCLING CENTER, FACILITY No. 050310

Dear Ted:

Waste Management Recycling and Disposal Services of California, Inc., owner/operator of the Bradley Landfill and Recycling Center (BLRC) is respectfully submitting flare source test results for flares #1, #2 and #3. These tests were conducted by Horizon Air Measurement Services, Inc. (Horizon), on April 20 and 23, 2004.

All testing/analytical procedures conformed to those outlined in Horizon Test Plan number W07-013-TP, which has been approved by the South Coast Air Quality Management District (SCAQMD). Flare #1 (Permit to Construct #425253) and flare #2 (Permit to Operate #F67269) were tested on April 20, 2004. Flare #3 (Permit to Operate F67268) was tested on April 21, 2004.

With the submittal of results for Flare #1, BLRC looks forward to the issuance of a Permit to Operate for this equipment.

If you have any questions or comments concerning these results please do not hesitate to contact me at (818) 252-3202.

Sincerely,

Bruce Matlock

Bure Mallak

Compliance, Health and Safety Supervisor

Enc.

cc;

f/Gas Recovery source tests

f/SCAQMD Correspondence(w/o encl.)
Darrell Thompson - Shaw/OWT (w/o encl.)



Information Management Public Records Unit

Direct Dial: (909) 396-3700 Fax:(909) 396-3330

#### **ACKNOWLEDGEMENT LETTER**

June 25, 2004

BRUCE MATLOCK BRADLEY LANDFILL AND RECYCLING CENTER 9081 TUJUNGA AVE., SUN VALLEY, CA 91352

Re:

Request for Records

Control#

32731

Request:

I/R'S FROM 10/1/02 TO 4/01/04 FOR ID #50310, BRADLEY

LANDFILL & RECYCLING CENTER.

Your request for records has been received by the Public Records Unit has been assigned for processing.

When your request is completed, an appointment will be made with you for your review of the records, <u>or</u> copies of the requested records will be mailed to you along with an invoice for the direct cost of duplication at \$ .15/page over 10 pages, \$8.00/microfiche or \$10.00/diskette.

Should you have any questions or need additional information regarding your request, please do not hesitate to contact me, Tuesday through Friday, 8:00 a.m. to 4:30 p.m. Please reference your Control Number listed above in all communications and correspondence.

Sincerely,

MARY HARRISON x2282 For Linda L. Mills Public Records Coordinator

LLM: MH